

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1

2. AMENDMENT/MODIFICATION NO.

0004

3. EFFECTIVE DATE

11-July-2002

4. REQUISITION/PURCHASE REQ. NO.

W16ROE-2092-8721

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

DACW51

7. ADMINISTERED BY (If other than Item 6)

CODE

USA ENGINEER DISTRICT, NEW YORK
ATTN: CENAN-CT ROOM 1843
26 FEDERAL PLAZA (DACW51)
NEW YORK, NY 10278-0090

See Item 6

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

(✓)

9A. AMENDMENT OF SOLICITATION NO.

DACW51-02-B-0006

X

9B. DATED (SEE ITEM 11)

06-May-2002

10A. MODIFICATION OF CONTRACTS/ORDER NO.

10B. DATED (SEE ITEM 13)

CODE

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS



The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers tended.



is extended.



is not ex-

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor



is not,



is required to sign this document and return

_____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this amendment is to incorporate the attached changes to the specifications and plans. All other terms remain unchanged as a result of the amendment.

NOTE: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation (or as amended) by one of the following methods: in the space provided on the SF1442, by separate letter, or by telegram, or by signing block 15 below. FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OF BIDS OR LATE WITHDRAWAL OF BIDS (FAR14.304).

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

(Signature of person authorized to sign)

BY

(Signature of Contracting Officer)

7-11-02

DACW51-02-B-0006

Amendment No. 4

Bid opening date is scheduled for 24 July 2002 at 02:00 P.M.

1. The following changes shall be made to the specifications and plans.

SPECIFICATIONS:

SECTION 00010

1. Replace Price Schedule with the attached revised Price Schedule.
2. Page 18 Clause 52.211-12 Replace 300 calendar days with **265 calendar days**.
3. SF1442 Item No. 11 Replace 300 with **150 ***.

*See section 00800 –1.1 (a)

SECTION 00800

1. Replace section 00800 paragraph 1.1 (a) with the revised paragraph: a. The Contractor shall (i) commence work under this contract within five (5) calendar days after the date the Contractor receives the Initial Notice to Proceed, (ii) prosecute the work diligently, (iii) complete the entire mobilization of equipment and all submittal requirements not later than thirty (30) calendar days, and (iv) complete the dredging and disposal of material that can be dredged with an environmental bucket not later than 150 calendar days after the Contractor receives the initial Notice to Proceed. The Government will issue a second Notice to Proceed for the dredging and disposal of material that cannot be dredged by an environmental bucket. The second Notice to Proceed shall be issued within fifteen (15) calendar days to 150 calendar days from the issuance of the initial Notice to Proceed. The Contractor shall commence dredging work within fifteen (15) calendar days and complete the entire dredging and disposal with the contract accepted by the Government by the later of 265 calendar days from the receipt of the first NTP or 115 days from the receipt of the second NTP. The completion shall include final cleanup of the premises including project site and field office area. The Contractor shall submit a written Accident Prevention Plan with the copy of Certificates of Inspection of floating plant and scows for review and approval within fifteen (15) calendar days after the award of contract.
2. Add as an additional insured in Section 00800 para-1.32 –b page 00800-21, line three, after New Jersey; **“The Bayonne Local Redevelopment Authority (“BLRA”) POC, Executive Director, Municipal Building, 630 Avenue C, Room 6, Bayonne, NJ 07002”**. AND Replace the PA Address with the new address **“225 Park Avenue South, 12th Floor, New York, New York 10003”**.

3. Add this sentence in para. 00800-1.15. At the end of the 5th sentence "Should more than two soundings...etc.....for such operations" **"and for each day of Government post processing"**.

SECTION 00900

1. Replace Wage Rates with the attached revised wage rates; **NJ020003** ONLY dated July 5, 2002 pages 2 thru 28.

SECTION 01270

1. Replace Section 01270 in its entirety with the attached Section 01270.

SECTION 02900

1. Replace Section 02900 in its entirety with the attached Section 02900

DRAWINGS:

1. The following drawings which accompanies, has been amended:
Drawings: CC-PJC-204, CC-PJC-205

Questions and Answers (for information only)

- 1- Upon removal of the 299,400 cy of soft material, material to be removed using an environmental clamshell bucket and processed (Line Item 0001AC), does the CORPS intend to take a post-dredge survey which will then be used as the pre-dredge survey for line item 0001AG? And how will the corps determine the quantity for payment for each of the line items.

Answers: The revised sections 02900 and 01270 are included in this amendment. The Corps believes that the revised sections addresses the questions received to date.

- 2- Clarification of the terms of paragraph 1.45 of section 00800 as modified in Amendment 0002. Paragraph 1.45.1 requires certain information to be submitted by apparent low bidder within three (3) calendar days from the date they are notified of being the apparent low bidder. Specifically, when will the Corps determine which bidder is the "apparent low bidder" and how will that bidder be notified?

Answers: After the bid opening the Corps will notify the apparent low bidder upon completion of reviewing the bids.

**SECTION 00010
SUPPLIES OR SERVICES AND PRICES/COSTS
PRICE SCHEDULE**

<u>ITEM</u>	<u>DESCRIPTIONS</u>	<u>QUANTITY</u>	<u>U/I</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
<u>BASE BID ITEMS</u>					
0001	CONSTRUCT NAVIGATION CHANNEL				
0001AA	MOBILIZATION AND DEMOBILIZATION	1	LS	\$ _____	\$ _____
0001AB	DEBRIS REMOVAL AND DISPOSAL	50	TON	\$ _____	\$ _____
0001AC	DREDGING, TRANSPORTATION, DELIVERY, PROCESSING AND PLACEMENT OF NON-ROCK MATERIALS UNSUITABLE FOR PLACEMENT AT THE HARS, EXCLUDES DEWATERING: ITEM 0001AD (PLACEMENT AT either the OENJ CHEROKEE BAYONNE LANDFILL REMEDIATION SITE AND/OR AT THE CONTRACTOR'S PROPOSED DISPOSAL FACILITY (IES)) Name of Site (s) _____, Name of POC(s) _____, Address of Site (s) _____, _____ _____ Phones (s) _____,	299,400	CY	\$ _____	\$ _____
0001AD	DEWATERING IN ACCORDANCE WITH THE HOST STATE WQC AND DISPOSAL FACILITY TERMS AND CONDITIONS FOR UPLAND PLACEMENT	299,400	CY	\$ _____	\$ _____
0001AE	SUBSURFACE DRILLING AND SAMPLING	15	EA	\$ _____	\$ _____
0001AF	FIELD OFFICE	1	LS	\$ _____	\$ _____
0001AG	DREDGING, TRANSPORTATION, DELIVERY, AND PLACEMENT OF NON-ROCK MATERIALS SUITABLE FOR PLACEMENT UPLAND, EXCLUDES DEWATERING: ITEM 0001AH <u>AND WITHOUT PROCESSING</u> (PLACEMENT AT EITHER THE OENJ CHEROKEE BAYONNE LANDFILL REMEDIATION SITE AND/OR AT THE CONTRACTOR'S PROPOSED DISPOSAL FACILITY (IES) AS IN ITEM 0001AC)	192,000	CY	\$ _____	\$ _____
0001AH	DEWATERING IN ACCORDANCE WITH THE HOST STATE WQC AND DISPOSAL FACILITY TERMS AND CONDITIONS FOR UPLAND PLACEMENT	192,000	CY	\$ _____	\$ _____
0001AJ	DREDGING, TRANSPORTATION, DELIVERY, AND PLACEMENT OF NON-ROCK MATERIALS UNSUITABLE FOR PLACEMENT AT THE HARS (PLACEMENT AT THE NEWARK BAY CONFINED DISPOSAL FACILITY)	54,600	CY	\$ _____	\$ _____

TOTAL BASE BID: \$ _____

OPTIONAL ITEMS

0002	ADDITIONAL COST FOR OPTIONAL INSURANCE	1	LS	\$ _____	\$ _____
0003	OPTIONAL ITEM/ DIFFERENCE IN COST, 53,000 TO THE PROJECT FOR PLACEMENT AT THE HARS PLACEMENT OF NON-ROCK (RED-BROWN SILT and CLAY) MATERIALS (as in Item 0001AG and 0001AH) AS SHOWN IN THE AMENDED DRAWINGS FOR PLACEMENT AT THE HARS (NEGATIVE NUMBER TO BE SHOWN IN PARENTHESIS)		CY	\$ (_____)	\$ (_____)
0004	OPTIONAL ITEM/ DIFFERENCE IN COST, 139,000 TO THE PROJECT FOR PLACEMENT AT THE HARS PLACEMENT OF NON-ROCK (sand and gravel) MATERIALS (as in Item 0001AG and 0001AH) (NEGATIVE NUMBER TO BE SHOWN IN PARENTHESIS)		CY	\$ (_____)	\$ (_____)

TOTAL BASE BID PLUS OPTIONAL ITEMS PRICE SCHEDULE: \$ _____

NOTES FOR PRICE SCHEDULE:

1. Bidders are required to bid on both the Base Bid Item and the Optional Items on the Price Schedule or their bid will be rejected.
2. The low bidder for the purpose of award will be the conforming responsible bidder offering the lowest amount for the Total Base Bid & Optional Items.
3. Any bid which is materially unbalanced as to the price for the Base Bid Item and Optional Items may be rejected. An unbalanced bid is one, which is based on price significantly less than the cost for some work and prices are significantly overstated for other work.
4. Bidders are reminded that they must bid on the issued plans and specifications as amended. Any deviations, conditions or attachments made by the bidders thereto may render the bid non-responsive and be cause for its rejection.
5. The Optional Items, if awarded, will be awarded within 120 days of the Notice to Proceed date. The Government is under no obligation to award the Optional Items.
6. The Newark Bay Confined Disposal Facility may not be used unless directed by the Contracting Officer or the Contracting Officer's Representative.
7. In Line Item 0001AC and Line Item 0001AG a bidder may bid on using either OENJ and/or a site(s) of their choice.

8. Should bidders choose to supply their own site in 0001AC and Line Item 0001AG, the apparent low bidder shall submit the documents specified Section 00800: Special Contract Requirements, Alternate Disposal Site Compliance. If the apparent low bidder does not submit the information required to be submitted within the times specified the Contractor will be considered non-responsible and its bid rejected.
9. Should bidders choose to supply their own site(s) in 0001AC and 0001AG, bidders will write on the blank lines provided on the Price Schedule Line Item 0001AC the name(s) of the site(s), POC(s), address(s) and phone(s) of their site(s) included in that line item.

Section 00900

General Decision Number NJ020003 sg

Superseded General Decision No. NJ010003

State: New Jersey

Construction Type:

BUILDING

HEAVY

HIGHWAY

County(ies):

BERGEN MIDDLESEX SUSSEX

ESSEX MORRIS UNION

HUDSON PASSAIC WARREN

HUNTERDON SOMERSET

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories, does not include Hunterdon or Somerse Counties for building construction only)

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number Publication Date

0 03/01/2002

1 03/08/2002

2 03/15/2002

3 04/19/2002

4 05/03/2002

5 05/10/2002

6 06/07/2002

7 07/05/2002

COUNTY(ies):

BERGEN MIDDLESEX SUSSEX

ESSEX MORRIS UNION

HUDSON PASSAIC WARREN

HUNTERDON SOMERSET

ASBE0032E 09/19/2001

Rates Fringes

BERGEN, ESSEX, HUDSON, HUNTERDON (Remainder), MIDDLESEX (Remainder), MORRIS, PASSIAC, SOMERSET (Remainder), SUSSEX, UNION, & WARREN (Remainder) COUNTIES:

ASBESTOS WORKERS/INSULATORS

Includes the application of all

insulating materials; protective

coverings, coatings, and finishes

to all types of mechanical systems 30.62 18.16

* ASBE0089A 07/01/2002

Rates Fringes

HUNTERDON (Alexander, Bethlehem, Bloomsbury, Clinton, Delaware, East Armwell, Flemington, Franklin, Frenchtown, Glen Garden, Hampton, High Bridge, Holland, Kingwood, Lambertville, Lebanon, Milford, Raritan, Readington, Stockton, Union, and West Armwell Twps), MIDDLESEX (Cranbury, East Brunswick, Helmbatta, Jamesburg,

Milltown, Monroe, North Brunswick, Plainsboro, South Brunswick, and Spotswood Twps), SOMERSET (Branchburg, Franklin, Hillsborough, Manville, Millstone, Montgomery and Rocky Hill Twps), AND WARREN (Franklin, Greenwich, Hamony, Lopatcong, Oxford, Phillipsburg, Washington, and White Twps) COUNTIES
ASBESTOS WORKERS/INSULATORS

Includes the application of all
insulating materials, protective
coverings, coatings, and finishes
to all types of meechanical systems 29.78 15.97

BOIL0028A 01/01/2002

	Rates	Fringes
BOILERMAKER	32.03	44%+4.61

BRNJ0004D 11/01/2001

	Rates	Fringes
BERGEN,ESSEX,HUDSON,MORRIS,PASSAIC,SUSSEX,UNION, WARREN,the following parts of HUNTERDON, and SOMERSET COUNTIES:(at Old Mill Inn Route #202 follow Passaic River to the Dean River from thence to Sunset Lake at Pluckemin, follow Chambers Brook to Oldwick to Fairmount, Hunderton County across the county line to Long Valley in Morris County, thence across from Long Valley into Chester, three miles North of Chester to Muskrat, then back across into Ralston, Morris County, then follow Morris-Somerset County line into Mendham Township, then across Morris County line into Somerset, back to the Old Mill Inn in Bernardsville, Route #202, Somerset County)		
BRICKLAYERS, CEMENT MASONS, PLASTERERS, & STONEMASONS	29.22	13.70

BRNJ0005B 11/01/2000

	Rates	Fringes
HUNTERDON (Annadale,Califon,Lebanon,Oldwick,Readington, Three Bridges,& White House Station Twps.),MIDDLESEX (except Dunellen, Middlesex, Oak Tree, New Market, and South Plainfield Twps), AND SOMERSET (Remainer) COUNTIES		
BRICKLAYERS, CEMENT MASONS, PLASTERERS & STONEMASONS	27.85	12.70

CARP0006B 05/01/2002

	Rates	Fringes
BERRGEN (East of Hackensack River including but not limited to Cliffside, Coytesville, Edgewater, Fairview, Fort Lee, Grant Wood, Leonia, Palisades Park, and Ridgefield Twps), AND HUDSON (East of the Hackensack River) COUNTIES		
CARPENTER	30.00	12.90
MILLWRIGHTS	30.00	12.90

CARP0015B 05/01/2002

	Rates	Fringes
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BERGEN COUNTY (Remainder)

CARPENTERS	30.00	12.90
MILLWRIGHTS	30.00	12.90

 CARP0031C 05/01/2002

Rates Fringes

HUNTERDON (Starting at the South of the town of Frenchtown on the Delaware River, thence following the line in the center of the road to Bapistown to Croton to the City of Flemington to Flemington Junction to Three Bridges, tehnce following the Somerset County line Northward, all territory South of this line including the City of Flemington) AND SOMERSET (all territory South of a line beginning at Armwell on the County line to Zion to Fairview to Dutchtown to Plainsville to Bell Mead to Griggstown to the Delaware and Raritan Canal) COUNTIES

CARPENTERS	30.00	12.90
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 CARP0041C 05/01/2002

Rates Fringes

ESSEX (Millburn Twp), MIDDLESEX, MORRIS, SOMERSET (Municipalities of Greenbrook, North Plainfield, Watchung, and all communities East of King George's Road), SUSSEX AND UNION COUNTIES

CARPENTERS & INSULATORS	30.00	12.90
MILLWRIGHTS	30.00	12.90

 CARP0099I 05/01/2002

Rates Fringes

LATHERS	30.00	12.90
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 CARP0124A 05/01/2002

Rates Fringes

BERGEN (City of Garfield and Boroughs of Lodi and Wallington), AND PASSAIC COUNTIES

CARPENTERS	30.00	12.90
MILLWRIGHTS	30.00	12.90

 CARP0399A 05/01/2002

Rates Fringes

WARREN COUNTY

CARPENTERS & INSULATORS	30.00	12.90
MILLWRIGHTS	30.00	12.90

 CARP1342A 05/01/2002

Rates Fringes

ESSEX, AND HUDSON (West of Hackensack River)

CARPENTERS	30.00	12.90
MILLWRIGHTS	30.00	12.90

 CARP1456A 05/01/2001

Rates Fringes

DIVER	37.13	23.56
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DIVER TENDER	27.67	23.56
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CARP1456B 05/01/2001

	Rates	Fringes
DOCK BUILDER & PILEDRIVERMEN	30.39	23.56

CARP2212A 05/01/2002

	Rates	Fringes
BERGEN, ESSEX, HUDSON, & PASSAIC COUNTIES		
SOFT FLOOR LAYERS	30.00	12.90

ELEC0017A 07/01/1994

	Rates	Fringes
ELECTRICIANS (RAILROAD CONSTRUCTION)	21.20	26.5%
COMMERCIAL TELEPHONE INSTALLATION	21.20	26.5%

ELEC0102B 06/03/2002

	Rates	Fringes
MORRIS, PASSAIC, SUSSEX, UNION, AND WARREN COUNTIES		
LINE CONSTRUCTION:		
Lineman & Equipment Operators	36.80	37%
Cable Splicers	40.48	37%
Groundmen	22.08	37%

ELEC0102C 06/03/2002

	Rates	Fringes
MORRIS, PASSAIC, SUSSEX, UNION, AND WARREN COUNTIES		
ELECTRICIAN	36.26	39.75%
CABLE SPLICER	39.88	39.75%

ELEC0164B 08/15/2000

	Rates	Fringes
BERGEN, ESSEX, AND HUDSON COUNTIES		
LINE CONSTRUCTION:		
Lineman, Welder,X-Ray Technician,		
Equipment Repairman, & Equipment		
Serviceman	34.42	41%
Cable Splicer	38.89	41%
Groundman	20.66	41%

ELEC0164C 06/03/2002

	Rates	Fringes
BERGEN, ESSEX, AND HUDSON COUNTIES		
ELECTRICIANS	36.90	42%
CABLE SPLICERS	41.70	42%

ELEC0262B 08/15/1993

	Rates	Fringes
MIDDLESEX COUNTY (Area North and West of a line following the		
Philadelphia and Reading Railroad East from the Raritan River to		
Dismal Road, Northeast on Dismal Road to Park Avenue, North on		

Park Avenue to Lehigh Valley Railroad, and Northeast along that railroad to the Union County line)

ELECTRICIANS	25.92	6.09+20%
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ELEC0262H 11/30/1994

	Rates	Fringes
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MIDDLESEX COUNTY (Area North and West of a line following the Philadelphia and Reading Railroad East from the Raritan River to Dismal Road, Northeast on Dismal Road to Park Avenue, North on Park Avenue to the Lehigh Valley Railroad, and Northeast along that railroad to the Union County line)

LINE CONSTRUCTION:

Linemen, Cable Splicers	22.87	3.76+11.7%
Groundmen	21.06	3.76+11.7%

ELEC0358A 06/01/1998

	Rates	Fringes
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MIDDLESEX COUNTY (Remainder)

ELECTRICIANS	30.26	42.75%
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ELEC0358C 06/01/1998

	Rates	Fringes
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MIDDLESEX COUNTY (Remainder)

LINE CONSTRUCTION:

Linemen, Hole Digger Operator, Truck w/o Winch or Pole & Steel Hand, Truck w/o Winch, X-ray Technician & Equip. Repairer	30.26	43%
Cable Splicer	33.89	43%
Groundman & Winch Operator	29.47	43%
Certified Welder Lineman	31.77	43%

ELEC0456B 06/03/2002

	Rates	Fringes
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MIDDLESEX COUNTY (Area South and West of a line extending East from the Raritan River along the Philadelphia and Reading Railroad to Shelton Rd, South on Shelton Rd to Lincoln Hwy to Vineyard Rd to Old Post Rd, along Old Post Rd to Mill Rd, along Mill Rd to the Raritan River, along the Raritan River to South River, along South River to the Southern boundary of the Borough of South River, along this boundary to Cranbury South River Turnpike, along this road continuing on to Washington Rd and Maplewood Ave in Cranbury to Scott Ave, along Scott Ave to Main St, on Main St and the turnpike to Millstone River)

ELECTRICIANS	34.77	45.75%
CABLE SPLICERS	38.94	45.75%

ELEC0456C 06/03/2002

	Rates	Fringes
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MIDDLESEX COUNTY (Area South and West of a line extending East from the Raritan River along the Philadelphia and Reading

Railroad to Shelton Rd, South on Shelton Rd to Lincoln Hwy to Vineyard Rd to Old Post Rd, along Old Post Rd to Mill Rd, along Mill Rd, along Mill Rd to the Raritan River, along Raritan River to South River, along South River to the Southern boundary of the Borough of South River, along this boundary to the Cranbury South River Turnpike, along this road continuing on to Washington Rd and Maplewood Ave in Cranbury to Scott Ave, along Scott Ave to Main St, on Main St and the turnpike to Millstone River)

LINE CONSTRUCTION:

Linemen	34.77	45.75%
Cable Splicer	38.95	45.75%
Groundmen	33.98	45.75%
Winch Operator	33.98	45.75%

ELEV0001A 07/01/1994

	Rates	Fringes
ELEVATOR MECHANICS:		
Construction	22.59	5.22+A+B+C
Modernization	15.94	3.69+A+B+C

FOOTNOTES:

- A. PAID HOLIDAYS: New Year's Day, Lincoln's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Election Day, Thanksgiving Day, and Christmas Day
- B. Employer contributes \$8.00 per day per employee to annuity fund
- C. Employee with 6 months but less than 5 years of service receive 2 weeks vacation, and 3 weeks vacation for 5 years or more of service

* ENGI0825C 07/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS		
TANK ERECTION:		
GROUP 1	35.36	17.15+A+B
GROUP 2	34.52	17.15+A+B
GROUP 3	36.50	17.15+A+B
GROUP 4	32.43	17.15+A+B
GROUP 5	27.22	17.15+A+B

FOOTNOTES:

- A. PAID HOLIDAYS: New Year's Day; Washington's Birthday; Memorial Day; Independence Day; Labor Day; Veteran's Day, Thanksgiving Day; and Christmas Day.
- B. Employee receives 20% premium pay for hazardous waste work.

TANK ERECTION CLASSIFICATIONS

GROUP 1: Operating Engineers--on all Cranes, derricks, etc. with booms including jib 140 ft. or more above the ground.

GROUP 2: Operating Engineers--on all equipment, including cranes derricks, etc. with booms including jib, less than 140 ft. above the ground.

GROUP 3: Helicopters--Pilot.

GROUP 4: Air compressors, welding machines and generators (gas, diesel, or electrical driven equipment and sources of power from a permanent plant, i.e., steam, compressed air, hydraulic or other power, for the operating of any machine or automatic tools used in the erection, alteration, repair and dismantling of tanks and any and all "DUAL PURPOSE" trucks used on the construction job site.

GROUP 5: Oiler.

 * ENGI0825D 07/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
[STEEL ERECTION]:		
GROUP 1	34.64	17.15+A+B
GROUP 2	34.73	17.15+A+B
GROUP 3	32.34	17.15+A+B
GROUP 4	29.78	17.15+A+B
GROUP 5	28.25	17.15+A+B
GROUP 6	26.49	17.15+A+B
GROUP 7	37.00	17.15+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day.

B. Employees receive 20% premium pay for hazardous waste work.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS
 [STEEL ERECTION]

GROUP 1: Cranes - (all cranes, land or floating with booms including job 140 ft. and over, above ground); derricks-(all derricks, land or floating with boom including jib 140 ft. and over, above ground).

GROUP 2: Cranes - (all cranes, land or floating with booms including jib less than 140 ft. above ground); derricks (all derricks, land or floating with booms including jib, less than 140 ft. above ground).

GROUP 3: "A" frame; cherry pickers 10 tons and under; hoists; all types hoists shall also include steam, gas, diesel, electric, air hydraulic, single and double drum, concrete, brick shaft caisson, or any other similar type hoisting machines, portable or stationary, except Chicago boom type; jacks-screw air hydraulic power operated unit console type (not hand jack or pile load test type) side booms.

GROUP 4: Aerial platform used hoist; compressor, 2 or 3 in battery; elevators or house cars; conveyors and tugger hoists; fireman; forklift; generators, 2 or 3 maintenance-utility man; rod bending machine (power); welding machines--(gas or electric, 2 or 3 in battery, including diesels); captain power boats; tug master power boats.

GROUP 5: Compressor, single, welding machine, single, gas, electric converters of any type, diesel; welding system multiple (rectifier transformer type); generator, single.

GROUP 6: Oiler staddle carrier.

GROUP 7: Helicopter pilot.

* ENGI0825E 07/01/2002

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
OILOSTATIC MAINLINES & TRANSPORTATION PIPELINES:		
GROUP 1	33.50	17.15+A+B
GROUP 2	32.85	17.15+A+B
GROUP 3	29.71	17.15+A+B
GROUP 4	28.31	17.15+A+B
GROUP 5	26.49	17.15+A+B
GROUP 6	35.43	17.15+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Year's Day; Washington's Birthday, Memorial Day; Independence Day; Labor Day; Veteran's Day, Thanksgiving Day; and Christmas Day

B. Employee receives 20% premium pay for hazardous waste work.

OILOSTATIC MAINLINES AND TRANSPORTATION PIPE LINES
CLASSIFICATIONS

GROUP 1: Backhoe; cranes (all types); draglines; front-end loaders (5 yds. and over); gradalls; scooper (loader and shovel); koehring and trench machines.

GROUP 2: "A" frame; backhoe (combination hoe loader); boring and drilling machines; ditching machine, small; ditchwitch or similar type; fork lifts; front end loaders (2 yds and over but less than 5 yds.); graders, finish (fine); hydraulic cranes, 10 tons and under (over 10 tons - crane rate applies); side booms; and winch trucks (hoisting).

GROUP 3: Backfiller; brooms and sweepers; bulldozers; compressors (2 or 3 in battery); front-end loaders (under 2 yds.); generators; giraffe grinders; graders and motor patrols; mechanic; pipe bending machine (power); tractors; water and sprinkler trucks, welder and repair mechanic.

GROUP 4: Compressor (single); dope pots (mechanical with or without pump); dust collectors; farm tractors; pumps (4 in. suction and over); pumps (2 or less than 4 in. suction); pumps; diesel engine and hydraulic (immaterial or power); welding machines; gas or electric converters of any type, single; welding machines, gas or electric converters of any type, 2 or 3 in battery multiple welders; wellpoint systems (including installation and maintenance).

GROUP 5: Oiler, grease, gas, fuel and supply trucks and tire repair and maintenance.

GROUP 6: Helicopter-pilot.

* ENGI0825M 07/01/2002

	Rates	Fringes
BUILDING CONSTRUCTION PROJECTS; HEAVY, HIGHWAY, ROAD, STREET AND SEWER PROJECTS: POWER EQUIPMENT OPERATORS		

GROUP 1	32.87	17.15+A+B
GROUP 2	31.28	17.15+A+B
GROUP 3	29.37	17.15+A+B
GROUP 4	27.74	17.15+A+B
GROUP 5	26.03	17.15+A+B
GROUP 6	34.69	17.15+A+B

FOOTNOTES:

A. New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day, plus Washington's Birthday and Veterans Day.

B. Employee receives 20% premium pay for hazardous waste work.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Autograde - combination subgrader; base metal spreader and 7 base trimmer (CMI and similar types); autograde placer, trimmer, spreader combination (CMI and similar types); autograde slipform paver (CMI and similar types); backhoe; central power plants (all types); concrete paving machines; cranes (all types, including overhead and straddle travelling type); cranes; gantry; derricks (land or floating); drillmaster, quarrymaster (down the hole drill) rotary drill; self propelled hydraulic drill; self-powered drill; dragline; elevator graders; front end loaders (5 yds. and over); gradalls; grader; raygo; locomotive (large); mucking machines; pavement and concrete breaker, i.e.; superhammer and hoe ram; pile driver; length of boom including length of leads, shall determine premium rate applicable; roadway surface grinder; scoop (loader and shovel); shovels; tree chopper with boom; trench machines.

GROUP 2: "A" frames backhoe (combination); boom attachment on loaders (rate based on size of bucket) not applicable to pipehook, boring and drilling machines; brush chopper; shredder and tree shredder; tree shedder; cableways; carryalls; concrete pump; concrete pumping system; pumpcrete and similar types; conveyors, 125 ft. and over; drill doctor including dust collector, maintenance); front end loaders (2 yds. but less than 5 yds.); graders (finisher); groove cutting machine (ride on type); header planer; hoists; (all types hoists, shall also include steam, gas, diesel, electric, air hydraulic, single and double drum, concrete brick shaft caisson, snorkel roof, and/or any other similar type hoisting machines, portable or stationary, except Chicago boom type); hoists (Chicago boom type); hydraulic cranes, 10 tons and under; hydro-axle; jacks screw air hydraulic power operated unit or console type (not hand jack or pile load test type); log skidder; pans; pavers (all concrete; pumpcrete machines; squeezecrete and concrete pumping (regardless of size); scrapers; side booms; straddle carrier; ross and similar types; winch truck (hoisting).

GROUP 3: Asphalt curbing machine; asphalt plant engineer; asphalt spreader; autograder tube finisher and texturing machine (CMI and similar types); autograde curercrete machine (CMI and similar types); autograde curb trimmer and sidewalk; shoulder;

slipform (CMI and similar types); bar bending machines (power);
 batchers; batching plant and crusher on site; belt conveyor
 systems; boom type skimmer machines, bridge deck finisher;
 bulldozers (all); car dumpers (railroad); compressor and blower
 type units (used independently or mounted on dual purposes
 trucks, on job site or in conjunction with job site, in loading
 and unloading of concrete, cement, fly ash, instancrete, or
 similar type materials); compressor (2 or 3) (battery); concrete
 finishing machines; concrete saws and cutters (ride on type);
 concrete spreaders; hetzel; rexomatic and similar types; concrete
 vibrators; conveyors; under 125 ft.; crushing machines; ditching
 machine; small (ditchwitch or similar type); dope pots
 (mechanical with or without pump); dumpsters elevators fireman;
 fork lifts (economobile; lull and similar types of equipment);
 front end loaders (1 yd. and over but less than 2 yds.);
 generators (2 or 3) in battery; giraffe grinders; graders and
 motor patrols; gunnite machines (excluding nozzle); hammer
 vibratory (in conjunction with generator); hoist (roof, tugger,
 aerial platform hoist and house cars); hoppers; Hopper doors
 (power operated); ladders (motorized); laddervator; locomotive;
 dinky type; maintenance; utility man; mechanics; mixers (except
 paving mixers); motor patrols and graders; pavement breakers,
 small; self- propelled ride on type (also maintaining compressor
 or hydraulic unit); pavement breaker; truck mounted; pipe bending
 machine (power); roller; black top; scales; power; seaman
 pulverizing mixer; shoulder widener; silos; skimmer machines
 (boom type); steel cutting machine; services and maintanang;
 tractors; tug captain; vibrating plants (used in conjunction with
 unloading); welder and repair mechanics, concrete cleaning/
 decontamination machine operstor, directional boring machine,
 heavy equipment robotics operator/technician, master
 environmental maintenance technician, ultra high pressure
 waterjet cutting tool system operator/maintenance technician
 vacuum blasting machine operator/maintenance technician.
 GROUP 4: Brooms and sweepers, chippers, compressor (single),
 concrete spreaders (small type), conveyor loaders (not including
 elevator graders), engines, large diesel (1620 H.P.) and staging
 pump, farm tractors; fertilizing equipment (operation and
 maintenance) fine grade machine (small type); form line graders
 (small type); front loader (under 1 yd.); generator (single);
 grease, gas, fuel and oil supply trucks; heaters (nelson or other
 type including propane, natural gas or flow-type units); lights;
 portable generating light plants; mixers; concrete small;
 mulching equipment (operation and maintenance) pumps (4 inch
 suction and over including sumbersible pumps); pumps (2 or less
 than 4" suction and over including sumbersible pumps); pumps
 (diesel engine and hydraulic) immaterial of power road finishing
 machines (small type); rollers; grade; fill or stone base;
 seeding equipment (operation and maintenance of); sprinkler and
 water pump trucks steam jennies and biolers, stone spreader;
 tamping machines vibrating ride-on; temporary heating plany

(nelson or other type, including propane, natural gas or flow type units); water and sprinkler trucks; welding machines (gas, diesel, and/or electric converters of any type, single; two or three in a battery); welding systems, multiple (rectifier transformer type); wellpoint systems.

GROUP 5: Oiler.

GROUP 6: Helicopter pilot.

IRON0011D 07/01/2001

	Rates	Fringes
BERGEN, ESSEX, HUDSON, HUNTERDON (Western half), MIDDLESEX (North half), MORRIS, PASSAIC, SOMERSET (North Half), SUSSEX AND UNION COUNTIES		

IRONWORKERS:

Structural	28.28	23.15
Reinforcing	26.38	23.15

IRON0036C 07/01/2001

	Rates	Fringes
WARREN COUNTY		

Projects under \$25 million:

IRONWORKERS; STRUCTURAL, REINFORCING AND ORNAMENTAL	25.34	13.23
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Projects \$25 million or more:

IRONWORKERS: STRUCTURAL, REINFORCING AND ORNAMENTAL	25.84	13.23
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* IRON0068E 07/01/2002

	Rates	Fringes
HUNTERDON (Eastern half), MIDDLESEX (South half), AND SOMERSET (South half) COUNTIES		

IRONWORKERS:

Structural, Ornamental	27.76	22.35
Reinforcing (Concrete Rods)	25.76	22.35

LABO0021C 05/01/2001

	Rates	Fringes
HUDSON COUNTY (Remainder)		

LABORERS BUILDING CONSTRUCTION:

Class A Laborer	22.45	11.25
Class B Laborer	21.95	11.25
Class C Laborer	18.66	11.25

Class A Laborer: Jack Hammer, Tamper, Operator of Motorized tamper and compactor, operator of hydro demolition equipment, operator of all types of motorized forklifts, operator of motor buggy, operator of conveyor, operator of bobcat, demolition burners, nozzle operator on gunnite, scaffold builder, & mortar man (except silofed).

Class B Laborer: all laborers not listed in Class A or C

Class C Laborer: Laborers doing janitorial-type light clean-up work associated with the turnover of the project or part

of a project to the owner.

LABO0072B 05/01/2001

Rates Fringes

MIDDLESEX COUNTY (Perth Amboy, Carteret, Woodbridge, Metuchen Twps, South River, Sayreville, South Amboy, Old Bridge, East Brunswick, Spotswood, Jamesburg, Helmetta, Cranbury & Monroe Twps)

LABORERS BUILDING CONSTRUCTION:

Class A	22.45	11.25
Class B	21.95	11.25
CLASS C	18.66	11.25

Class A-Jack Hammer, Motorized Tamper & Compactor, Street Cleaning Machines, Scaffold Builders, Hydro Demolition Equipment, all types of Motorized Fork Lifts, Riding Motor Buggy Operator, Bobcat Operator, Mortar Man, & Nozzle Man on Gunnite work.

CLASS B All Laborers not listed in Class A or C.

CLASS C Laborers doing Janitorial type light clean up work associated with the turnover of the project to the owner

All Flagman, and those manning temporary heat of all types.

LABO0156B 05/01/2001

Rates Fringes

MIDDLESEX (Remainder), and SOMERSET (East Millstone and Franklin Townships) COUNTIES:

LABORERS:

Group 1	22.45	11.25
Group 2	21.95	11.25
Group 3	18.66	11.25

Group 1-Jack Hammers,Tampers,Motorized Tampers and Compactors,Street Cleaning Machines,Scaffold Builder,Hydro Demolition Equipment, all types of Motorized fork lifts riding Motor Buggy operator,Conveyor operator, Bobcat operator,Mortar Man,Burners, Nozzle man on gunite work, Mortar Man shall include all laborers engaged in any mode of mixing aggregate by hand or mechanical means with the exception of silo work.

Group 2-Basic laborer's rate and includes all work not included in Group 1 or Group 3

2.Group 3-Laborers doing janitorial-type clean-up work associated with the turnover of the project or part of a project to the owner.

LABO0232B 05/01/2001

Rates Fringes

SOMERSET COUNTY (Bernardsville,Peapack, Gladstone, Far Hills, Bernards, and Bedminster Twps):

LABORERS:

Group 1	22.45	11.25
Group 2	21.95	11.25
Group 3	18.66	11.25

Group 1-Jack Hammers,Tampers,Motorized Tampers and Compactors,Street Cleaning Machines,Scaffold Builder,Hydro Demolition Equipment, all types of Motorized fork lifts riding Motor Buggy operator,Conveyor operator, Bobcat operator,Mortar Man,Burners, Nozzle man on gunite work, Mortar Man shall include all laborers engaged in any mode of mixing aggregate by hand or mechanical means with the exception of silo work.

Group 2-Basic laborer's rate and includes all work not included in Group 1 or Group 3

2.Group 3-Laborers doing janitorial-type clean-up work associated with the turnover of the project or part of a project to the owner.

LABO0239C 05/01/2001

Rates Fringes

PASSAIC COUNTY (Twps or Boroughs of Passaic, Garfield, Lodi, Wallington, Delawanna, Allwood, Athenia, Clifton to Piaget Ave, Paterson, Albion Place, Lettle Falls, Totowa, West Paterson, Wayne Hawthorne, Pompton, Haledon, West Milford, Ringwood, Bloomingdale, East Paterson to the Garfield boundary line)

LABORERS BUILDING CONSTRUCTION:

GROUP 1	22.45	11.25
GROUP 2	21.95	11.25
GROUP 3	18.66	11.25

GROUP 1-Specialist laborer classification including jack hammer, tamper, motorized tampers and compactors, street cleaning machines, scaffold builder, hydro demolition equipment, all types of motorized fork lifts, riding motor buggy operator, conveyor operator, Bobcat operator, mortar man, burners, nozzle man on gunite work, Mortar man shall include all laborers engaged in any mode of mixing aggregate by hand or mechabical means with the exception of silo work.

GROUP 2-Basic laborer's rate and includes all work not included in GROUP 1 or GROUP 3.

GROUP 3-Laborers doing janitorial- type light clean-up work associated with the turnover of the project or part of a project to the owner.

LABO0346B 05/01/2001

Rates Fringes

BERGEN COUNTY (Cliffside; Borough of Cliffside Park; Borough of Fort Lee South of Central Blvd; Borough of Palisades Park South of Central Blvd; Borough of Ridgefield; Borough of Edgewater; Borough of FAirview; Hackensack; City of Hackensack; Hasbrouck Heights; Little Ferry; South Hackensack; Ridgefield Park; Bogota;

Teaneck Twp. West of Teaneck Rd. and South of Fort Lee Rd.; Maywood; Saddle Brook Twp; Borough of Paramus East of Sprout Brook; Borough of River Edge; New Milford; Teterboro; Bendix; Tohell Park; Englewood; City of Englewood; Borough of Dumont; Borough of Bergenfield; Borough of Palisades Park North of Central Blvd. to Edgewater; Fort Lee to the Hudson River; Borough of Fort Lee North of Central Blvd.; Twp. of Teaneck, East of Teaneck Rd. and North of Fort Lee Rd.; Borough of Leonia; Borough of Englewood Cliffs; Borough of Tenaflly; Borough of Cresskill; Borough of Demarest; Borough of Closter; Borough of Oradell; Borough of Montvale; Borough of Woodcliff Lake; Borough of Park Ridge; Borough of Hillsdale; Twp. of Washington; Borough of Westwood; Borough of Emerson; Borough of Haworth; Borough of Alpine; Borough of Rockleigh; Borough of Norwood; Borough of Harrington Park; Borough of Old Tappan; Borough of Northvale; Township of Rivervale; Lyndhurst; Rutherford; East Rutherford; Wood-Ridge; Carlton; Carlstadt; North Arlington; Moonachie; Ridgewood; Village of Ridgewood; Borough of Fair Lawn; Borough of Glen Rock; Borough of Hohokus; Borough of Saddle River; Borough of Upper Saddle River; Borough of Allendale; Borough of Ramsey; Borough of Waldwick; Borough of Midland Park; Borough of Oakland; Borough of Franklin Lakes; Twp. of Wyckoff; Twp. of Hohokus; Borough of Paramus except East of Sprout Brook; and Borough of MAhwah)

LABORERS:

Group 1	22.45	11.25
Group 2	21.95	11.25
Group 3	18.66	11.25

Group 1-Jack Hammers,Tampers,Motorized Tampers and Compactors,Street Cleaning Machines,Scaffold Builder,Hydro Demolition Equipment, all types of Motorized fork lifts riding Motor Buggy operator,Conveyor operator, Bobcat operator,Mortar Man,Burners, Nozzle man on gunite work, Mortar Man shall include all laborers engaged in any mode of mixing aggregate by hand or mechanical means with the exception of silo work.

Group 2-Basic laborer's rate and includes all work not included in Group 1 or Group 3

2.Group 3-Laborers doing janitorial-type clean-up work associated with the turnover of the project or part of a project to the owner.

LABO0394C 05/01/2001

Rates	Fringes
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UNION COUNTY:

BUILDING CONSTRUCTION:

LABORERS:

GROUP 1	22.45	11.25
GROUP 2	21.95	11.25

GROUP 3 18.66 11.25

GROUP 1-Specialist laborer classication including jack hammer, tamper, motorized tampers and compactors, street cleaning machines, scaffold builder, hydro demolition equipment, all types of motorized fork lifts, riding motor buggy operator, conveyor operator, Bobcat operator, mortar man, burners, nozzle men on gunite work. Mortar men shall include all laborers engaged in any mode of mixing aggregate by hand or mechanical means with the exception of silo fed.

GROUP 2-Basic laborer's rate and includes all work not included in GROUP 1 or GROUP 3.

GROUP 3-Laborers are laborers doing, janitorial-type light clean-up work associated with the turnover of the project or part of a project to the owner, and all flagman, watchman, firewatch personnel, and those manning temporary heat of all types.

LABO0472B 03/01/2000

	Rates	Fringes
LABORERS [FREE AIR TUNNEL]:		
GROUP 1	27.35	10.30+A
GROUP 2	23.95	10.30+A
GROUP 3	23.80	10.30+A
GROUP 4	23.30	10.30+A

FOOTNOTE:

A. PAID HOLIDAYS: New Year's Day; Washington's Birthday, Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day; Presidential Election Day; and Veterans Day; provided the employee works on 3 days for the same Employer within a period of ten working days consisting of five working days before and five working days after the day upon which the holiday falls or is observed.

LABORERS CLASSIFICATIONS

[FREE AIR TUNNEL]

GROUP 1: Blasters

GROUP 2: Skilled men (including miners; drill runners; iron men mainrenance men; conveyor men; safety miners; riggers; block layers; cement finishers; rodmen; caulkers; powder Ccarrier; all other skilled men)

GROUP 3: Semi-skilled men (including chuck tenders; trackmen; nippers; brakemen; derail men; cable men; hose men; grout men; gravel men; form men; bell or signal men (top or bottom); form workers and movers; concrete workers; shaft men; tunnel laborers; all other semi-skilled men)

GROUP 4: All other top laborers

LABO0472E 03/01/2002

	Rates	Fringes
LABORERS HEAVY AND HIGHWAY CONSTRUCTION:		
GROUP 1	24.55	11.20+A
GROUP 2	24.75	11.20+A

GROUP 3	25.05	11.20+A
GROUP 4	25.25	11.20+A
GROUP 5	25.50	11.20+A
GROUP 6	29.05	11.20+A
GROUP 7a	27.55	11.20+A
GROUP 7b	25.55	11.20+A

FOOTNOTE:

A. PAID HOLIDAYS: New Year's Day; Washington's Birthday; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Christmas Day; Presidential Election Day; and Veteran's Day; provided the employee works on 3 days for the same Employer within a period of ten working days consisting of five working days before and five working days after the day upon which the holiday falls or is observed.

LABORERS CLASSIFICATIONS HEAVY & HIGHWAY

GROUP 1: Common laborers; landscape laborers; railroad track laborers; pitmen and dumpmen; waterproofing; rakers and tampers on cold patch work and wrapping and coating all pipe
Asphalt Laborers:

GROUP 2: Powder carriers and magazine tenders; signalmen
Asphalt Raker, & Asphalt Screedman

GROUP 3: Sewer pipe; laser men; conduit and duct line layers; jackhammer; chipping hammers; pavement breakers; power buggies; concrete cutters, asphalt cutters; sheet hammer and tree cutter operators; sandblasting, cutting, burning, Power Tool Operator, and such other power tools used to perform work usually done manually by laborers

GROUP 4: Wagon drill operator; timberman; drill master

GROUP 5: Finisher; form setter; rammer; paver; gunite nozzle man and stone cutter; Catch Basin or Inlet Builder Manhole

GROUP 6: Blaster

GROUP 7a: Hazardous waste laborer required to wear level A,B, or C personal protection.

GROUP 7b: Certified laborer working a hazardous waste removal project or site at a task requiring hazardous waste related certification, but who is not working in a zone requiring level A.B. or C personal protection.

LABO0502B 05/01/2001

Rates Fringes

ESSEX COUNTY (City of East Orange, Twps of South Orange and Maplewood, Cities of Orange and West Orange):

LABORERS:

0 Group 1	22.45	11.25
1 Group 2	21.95	11.25
2 Group 3	18.66	11.25
3		
4 Group 1-Jack Hammers,Tampers,Motorized		
5 Tampers and Compactors,Street Cleaning		

6 Machines,Scaffold Builder,Hydro Demolition
 7 Equipment, all types of Motorized fork lifts
 8 riding Motor Buggy operator,Conveyor operator,
 9 Bobcat operator,Mortar Man,Burners, Nozzle man
 0 on gunite work, Mortar Man shall include all
 1 laborers engaged in any mode of mixing aggregate
 2 by hand or mechanical means with the exception of
 3 silo work.
 4
 5 Group 2-Basic laborer's rate and includes all work
 6 not included in Group 1 or Group 3
 7
 8 2.Group 3-Laborers doing janitorial-type cle an-up work
 9 associated with the turnover of the project or part of a
 0 project to the owner.

1 -----

2
 3 LABO0526C 05/01/2001
 4 Rates Fringes
 5 MORRIS COUNTY (Remainder):

6
 7 LABORERS:
 8
 9 Group 1 22.45 11.25
 0 Group 2 21.95 11.25
 1 Group 3 18.66 11.25

2
 3 Group 1-Jack Hammers,Tampers,Motorized
 4 Tampers and Compactors,Street Cleaning
 5 Machines,Scaffold Builder,Hydro Demolition
 6 Equipment, all types of Motorized fork lifts
 7 riding Motor Buggy operator,Conveyor operator,
 8
 9 Bobcat operator,Mortar Man,Burners, Nozzle man
 0 on gunite work, Mortar Man shall include all
 1 laborers engaged in any mode of mixing aggregate
 2 by hand or mechanical means with the exception of
 3 silo work.
 4
 5 Group 2-Basic laborer's rate and includes all work
 6 not included in Group 1 or Group 3
 7
 8 2.Group 3-Laborers doing janitorial-type clean-up work
 9 associated with the turnover of the project or part of a
 0 project to the owner.

1 -----

2
 3 LABO0569B 05/01/2001
 4 Rates Fringes
 5 HUNTERDON AND WARREN COUNTIES:

6

7 LABORERS BUILDING CONSTRUCTION:

8 CLASS A	22.45	11.25
9 CLASS B	21.95	11.25
0 CLASS C	18.66	11.25

1

2 DEFINATION OF LABORERS:

3

4 CLASS A-Jack Hammer, Tamper, Motorized Tampers and Compactors,

5 Street Cleaning Machines, Scaffold Builder, Hydro

6 Demolition Equipment, All types of Motorized Fork Lifts,

7 Riding Motor Buggy Operator, Bobcat Operator, Mortar

8 Man, Burners, Nozzle Man on Gunit work.

9 CLASS B-All Laborers not listed in Class A or C.

0 CLASS C-Laborers doing Janitorial- type light clean up work

1 associated with the turnover of the project to the owner

2 All Flagman, and those manning tempory heat of all

3 types.

4 -----

5

6 LABO0694B 05/01/2001

7	Rates	Fringes
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8 ESSEX COUNTY (Montclair):

9

0 LABORERS:

1

2 Group 1	22.45	11.25
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3 Group 2	21.95	11.25
-----------	-------	-------

4 Group 3	18.66	11.25
-----------	-------	-------

5

6 Group 1-Jack Hammers,Tampers,Motorized

7 Tampers and Compactors,Street Cleaning

8 Machines,Scaffold Builder,Hydro Demolition

9 Equipment, all types of Motorized fork lifts

0 riding Motor Buggy operator,Conveyor operator,

1 Bobcat operator,Mortar Man,Burners, Nozzle man

2 on gunit work, Mortar Man shall include all

3 laborers engaged in any mode of mixing aggregate

4 by hand or mechanical means with the exception of

5

6 silo work.

7

8 Group 2-Basic laborer's rate and includes all work

9 not included in Group 1 or Group 3

0

1 2.Group 3-Laborers doing janitorial-type clean-up work

2 associated with the turnover of the project or part of a

3 project to the owner.

4 -----

5

6 LABO0711B 05/01/2001

7	Rates	Fringes
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8 MORRIS COUNTY (Morristown, Morris Twp., Morris Plains, Mendham,
9 Ralston, Chester, Brookside, Flanders, Ironia, Mount Freedom,
0 Mount Tabor, Parsippany, Troy Hills, Pine Brook, Ced Knolls,
1 Whippany, Hanover Twp. and Long Valley):

2

3 LABORERS:

4

5 Group 1	22.45	11.25
6 Group 2	21.95	11.25
7 Group 3	18.66	11.25

8

9 Group 1-Jack Hammers, Tampers, Motorized
0 Tampers and Compactors, Street Cleaning
1 Machines, Scaffold Builder, Hydro Demolition
2 Equipment, all types of Motorized fork lifts
3 riding Motor Buggy operator, Conveyor operator,
4 Bobcat operator, Mortar Man, Burners, Nozzle man
5 on gunite work, Mortar Man shall include all
6 laborers engaged in any mode of mixing aggregate
7 by hand or mechanical means with the exception of
8 silo work.

9

0 Group 2-Basic laborer's rate and includes all work
1 not included in Group 1 or Group 3

2

3 2. Group 3-Laborers doing janitorial-type clean-up work
4 associated with the turnover of the project or part of a
5 project to the owner.

6 -----

7

8 LABO0779B 05/01/2001

9

Rates Fringes

0 SOMERSET COUNTY (Bridgewater, Branchburg, Raritan, Bound Brook,
1 Somerville, Manville, Hillsboro, Millstone, Montgomery and Rocky
2 Hill Twp.):

3

4 LABORERS:

5

6 Group 1	22.45	11.25
7 Group 2	21.95	11.25
8 Group 3	18.66	11.25

9

0 Group 1-Jack Hammers, Tampers, Motorized
1 Tampers and Compactors, Street Cleaning
2
3 Machines, Scaffold Builder, Hydro Demolition
4 Equipment, all types of Motorized fork lifts
5 riding Motor Buggy operator, Conveyor operator,
6 Bobcat operator, Mortar Man, Burners, Nozzle man
7 on gunite work, Mortar Man shall include all
8 laborers engaged in any mode of mixing aggregate

9 by hand or mechanical means with the exception of
0 silo work.

1
2 Group 2-Basic laborer's rate and includes all work
3 not included in Group 1 or Group 3
4

5 2.Group 3-Laborers doing janitorial-type clean-up work
6 associated with the turnover of the project or part of a
7 project to the owner.

8 -----
9

0 LABO0913B 05/01/2001

1 Rates Fringes
2 MORRIS (Jefferson, Rockaway, Mount Arlington, Rockaway Borough,
3 Wharton, Mine Hill, Dover, Netcong, Roxbury, Mount Oliver,
4 Randolph, Boonton, Boonton Twp., Montville, Lincoln Park
5 Borough, Butler, Kinnelon Borough, Pin Brook, Towaco,
6 Danville, Mountain Lakes, Pequannock, Pompton Plains,
7 Riverdale Borough Twps) AND SUSSEX COUNTIES
8

9 LABORERS BUILDING CONSTRUCTION:

0
1 Class A Laborer: 22.45 11.25
2 Class B Laborer: 21.95 11.25
3 Class C Laborer: 18.66 11.25
4

5 Class A Laborer: Jack Hammer, tamper, motorized tampers and
6 compactors, street cleaning machines, scaffold builder,
7 hydro demolition equipment, all types of motorized fork lifts,
8 bobcat operator, riding motor buggy operator, conveyor operator
9 mortar man (except silo feed operations), burners, & nozzle
0 man on gunnite work.

1
2 Class B Laborer: All laborers not listed in Class A.
3

4 Class C Laborer: Laborers doing Janitorial type light clean up
5 work, associated with the turnover of the project to the owner
6 All Flagman, and those manning temporary heat of all types.

7 -----
8

9 LABO1030A 04/01/2001

0 Rates Fringes

1 LABORERS: (The removal, abatement, enclosure and decontamination
2 of personal protective equipment, chemical protective clothing
3 and machinery relating to asbestos and/or toxic and hazardous
4 waste of materials which shall include but not necessarily be
5 limited to: the erection, moving, servicing and dismantling to
6 all enclosures, scaffolding, barricades, and the operation of all
7 tools and equipment normally used in the removal or abatement of
8 asbestos and toxic and hazardous waste or materials, the
9

7		
8 LABORERS	21.85	10.12
9	-----	

2 Rates Fringes
3 ESSEX COUNTY (Remainder), AND HUDSON (Kearny, East Newark and
4 Harrison):

7			
8	Group 1	22.45	11.25
9	Group 2	21.95	11.25
0	Group 3	18.66	11.25

2
3 Group 2-Basic laborer's rate and includes all work
4 not included in Group 1 or Group 3
5
6 2.Group 3-Laborers doing janitorial-type clean-up work
7 associated with the turnover of the project or part of a
8 project to the owner.

9
0

21

1	Spray,sandblast,High Work	24.00	2.55+27%
2	-----		
3			
4	PAIN0711F 05/01/2000		
5	Rates	Fringes	
6			
7	GLAZIERS	28.75	10.30
8	GLAZIERS-HIGH WORK	29.75	10.30
9	-----		
0			
1	PAIN0711J 08/01/1999		
2	Rates	Fringes	
3	DRYWALL FINISHERS & TAPERS	28.25	11.23
4	-----		
5			
6	PLAS0008M 11/01/2001		
7	Rates	Fringes	
8	HUNTERDON,MIDDLESEX,& SOMERSET COUNTIES:		
9			
0	PLASTERERS	28.50	13.40
1	-----		
2			
3	PLUM0009C 03/01/2002		
4	Rates	Fringes	
5	AIR CONDITIONING & REFRIGERATION MECHANIC		
6	Installation of refrigeration		
7	equipment for any type of building		
8	where the combined compressor		
9	tonnage does not exceed 5 tons,		
0	Installation of water-cooled air		
1	conditioning that does not exceed		
2	10 tons (includes the piping of		
3	compenent system and the erection		
4	ofthe water tower), Installation		
5	of air-cooled air conditioning		
6	that does not exceed 15 tons	25.16	9.24+A
7			
8	FOOTNOTE:		
9	A. Paid Holidays: New Year's Day, Washington's Birthday,		
0	Memorial Day, Independence Labor Day, Thanksgiving Day,		
1	Christmas Day, plus Washington's Birthday and Veterans Day.		
2	-----		
3			
4	PLUM0009H 07/01/2001		
5	Rates	Fringes	
6	HUNTERDON (Remainder), MERCER,MIDDLESEX (Excluding		
7	Dunellen,Borough, East Bound Brook,		
8	Middlesex, New Market, Oak Tree, Piscataway Twp and South		
9	Plainfield), AND SOMERSET (Remainder) COUNTIES		
0			
1	PLUMBERS & PIPEFITTERS	33.13	15.25

2 -----
3
4 PLUM0014B 05/01/2002
5 Rates Fringes
6 BERGEN, HUDSON (Bayonne, Guttenberg, Hoboken, Jersey City, North
7 Bergen, Secaucus, Union City, Weehawken, West New York), MORRIS
8 (From Mount Olive straight across Randolph down to the Essex
9 border), PASSAIC, SUSSEX, AND WARREN (Northern half) COUNTIES

0
1 PLUMBERS 34.83 15.40
2 -----

3
4 PLUM0024A 05/01/2002
5 Rates Fringes

6 Essex:

7
8 HUDSON (East Newark,Harrison,& Kearney only);
9
0 HUNTERDON (Alexandria, Alexandria Twp., Alexauken, Allens Corner,
1 Allerton, Amsterdam, Annadale, Anthony, Baptistown, Bellewood,
2 Bethlehem, Twp., Bissell, Bloomsbury, Bunnvale, Bottonwood
3 Corners, Centerville, Charlestown, Cherryville, Clinton, Clinton
4 Twp., Cokebury, Coles Mills, Croton, Delaware Twp., Dilts Corner
5 East Amwell Twp., Everittstown, Fairmount, Farmersville, Franklin
6 Twp., Frenchtown, Glen Gardner, Grandin, Hamden, Hampton,
7 Higginsville, High Bridge, Hoffmans, Holland Twp., Hughesville,
8 Johnsons, Jutland, King, Kingwood Twp., Klinesville, Landsdowne,
9 Lebanon, Lebanon Twp., Little Brook, Little Neck, Little York,
0 Ludlow, McPherson, Milford, Moutainville, Mount Joy, Mount
1 Pleasant, North Salem, Muirshead, New Germantown, New Hampton,
2 Newport, Norton, Oak Grove, Oldwick, Palmyra, Palmyra Corners,
3 Pattenburg, Perryville, Pittstown, Pleasant Run, Polktown,
4 Potterstown, Quakertown, Raritan Twp., Readington, Readington
5 Twp., Reaville, Rileyville, Riverside, Rockafellows, Rowland
6 Mills Sidney, Snyderstown, Spring Mills, Stanton, Stanton Station
7 Sunnyside, Sutton, Tewksbury, Tewksbury Twp.,The Point, Three
8 Bridges, Treasure Island, Tumble, Union, Union Twp., Unionville
9 Van Syckle, Warren Paper Mills, Wertsville, West End, West Portal
0 White House, Whitehouse Station, Woodglen).

1
2 MIDDLESEX (Dunellen Borough, East Bound Brook, Middlesex, New
3 Market, Oak Tree, Piscataway Twp., & South Plainfield only).

4
5 MORRIS (Bartley, Berkshire Valley, Bertland Island, Brookside,
6 Chatham, Chatham Twp., Chester, Chester Twp., Cooks Bridge,
7 Crestmoore, Gillette, Harding Twp., Ironia, Logansville, Long
8 Valley, Malapardis, Mendham, Mendham Twp., Middle Valley,
9 Millington, Milltown, Milton, Mount Freesom, Mount Olive
0 Twp.,Mount Paul, Myerstown, Maughright, New Vernon, Parker,
1 Passaic Twp, Pleasant Grove, Ralston, Schooleys, Mount Stanley,
2 Stephensonburg, Stirling, & Washint Twp.)

3
4 SOMERSET (Amwell, Basking Ridge, Bedminster, Bedminster Twp.,
5 Bernards Twp., Bernardsville, Blaziers Corner, Bound Brook,
6 Bradley Gardens, Branchburg Twp., Bridgewater Twp., Burnt Mill,
7 Centerville, Chimney Rock, Claver Hill, Dutchtown, Far Hills
8 Borough, Finderne, Flagstown, Frank Fort, Franklin Park,
9 Franklin Twp., Gallia, Gladstone, Greater Cross Roads, Hamilton,
0 Harmony, Harmony Colony, Higgins Mills, Hillsborough Twp.,
1 Lamington, Lanes Crossing, Liberty Corners, Lyons, Madisonville,
2 Manville, Manville Borough, Martinsville, Mettler, Millstone,
3 Mine Brook, Montgomery, Montgomery Twp., Mount Bethel, Mount
4 Horeb, Neshanic, Neshanic Station, North Branch, North Branch
5 Depot, North Plainfield, Peapack, Peapack-Gladstone, Plainville
6 Plukemin, Pottersville, Raritan, Ravine Lake, Rock Mill, Round
7
8 Top, Roycefield, Royce Valley, Seeley Mills, Smalleytown,
9 Somerset, Somerville, Stone House, Sunset Lake, Union Village,
0 Vlietown, Watchung, West Millington, Weston, White Bridge,
1 Woodfern, Zarepat, & Zion).
2
3 UNION &
4
5 WARREN (Anderson, Asbury, Beattystown, Brainards, Brass Castle,
6 Broadway, Buttzville, Carpetersville, Changewater, Cornish,
7 Finesville, Foul Rift, Franklin Twp., Greenwich Twp., Harmony,
8 Harmony Station, Harmony Twp., Haszen, Hope Twp., Hutchinson,
9 Karrville, Kennedy, Lopatcong, Lopatcong Twp., Lower Harmony,
0 Mansfield Twp., Montana, New Village, Oxford, Oxford
1 Twp., Pequest, Pleasant Valley, Port Colden, Port Murray,
2 Riegelsville, Rockport, Rocksbury, Roxburgh, Springtown,
3 Stewartsville, Still Valley, Vulcanite, Warren Glen, Washington,
4 Washington Twp., White Top, & Phillipsburg Twp.) COUNTIES:
5
6 PLUMBERS (Excludes Somerset- Bldg) 34.78 15.20.
7 -----
8
9 PLUM0274B 05/01/2001
0 Rates Fringes
1 BERGEN, HUDSON, MORRIS (Remainder), PASSAIC, SUSSEX, AND WARREN
2 (Remainder) COUNTIES
3
4 PIPEFITTERS 32.91 15.72
5 -----
6
7 PLUM0475B 05/01/2002
8 Rates Fringes
9 ESSEX; HUNTERDON (Alexandria, Alexandria Twp, Ale xauken, Allens
0 Corner, Allertown, Amsterdam, Annandale, Anthony, Baptistown,
1 Bellewood, Bethlehem Twp, Bissell, Bloomsbury, Bunnvale,
2 Buttonwood Corners, Centerville, Charlestown, Cherryville,
3 Clinton, Cokebury, Coles Mills, Croton, Delaware Twp, Dilts

5 BERGEN AND PASSAIC COUNTIES

6

7 ROOFERS, COMPOSITION 30.25 10.30

8 -----

9

0 SFNJ0669A 04/01/2002

1 Rates Fringes

2 HUNTERDON; MIDDLESEX (Remainder); AND WARREN COUNTIES

3

4 SPRINKLER FITTERS 33.00 6.05

5 -----

6

7 * SFNJ0696B 07/01/2002

8 Rates Fringes

9 BERGEN, ESSEX, HUDSON, MIDDLESEX (New Brunswick, Milltown, Old

0 Bridge, Browntown and North thereof),MORRIS, PASSAIC, SOMERSET

1 (Bernardsville, Basking Ridge, Mine Brook, Far Hills, Lyons,

2 Mount Bethel, Watchung, North Plainfield Martinville and

3 Somerville), AND UNION COUNTIES

4

5 SPRINKLER FITTER 38.70 10.50

6 -----

7

8 SHEE0025C 06/01/2000

9 Rates Fringes

0

1 BERGEN, ESSEX, HUDSON, MORRIS, PASSAIC, SOMERSET, SUSSEX, & UNION
2 COUNTIES

3

4 SHEET METAL WORKERS 26.92 16.12

5 -----

6

7 SHEE0027A 06/01/2000

8 Rates Fringes

9 HUNTERDON & MIDDLESEX COUNTIES:

0

1 SHEET METAL WORKERS 31.00 15.38

2 -----

3

4 SHEE0028D 06/01/1994

5 Rates Fringes

6 WARREN COUNTY

7

8 SHEET METAL WORKERS 19.42 7.41

9 -----

0

1 TEAM0408B 05/01/1997

2 Rates Fringes

3 ESSEX, MORRIS, AND UNION (Remainder) COUNTIES

4

5 TRUCK DRIVERS:

6	GROUP 1	24.45	7.01+A
7	GROUP 2	24.50	7.01+A
8	GROUP 3	24.60	7.01+A
9	GROUP 4	24.70	7.01+A

0

1 FOOTNOTE:

2

3 A. Premium pay for hazardous waste removal: additional \$3.00
4 per hour if suite-up, otherwise \$1.00 per hour additional.

5 Paid Holidays: New Year's Day, Washington's Birthday,
6 Memorial Day, Independence Day, Labor Day, Veteran's Day,
7 Election Day, Thanksgiving Day, and Christmas Day, provided
8 the employee has been assigned to work or "shifts" one day
9 of the calendar week during which the holiday falls.

0 Employer contribution of \$663.57 per month per employee to
1 Health & Welfare Funds.

2

3 TRUCK DRIVERS CLASSIFICATIONS

4

5 GROUP 1: Drivers on the following type vehicles: Straight dumps,
6 flats, floats, pickups, container haulers, fuel, water sprinkler,
7 road oil, stringer, bead, hot pass, bus dumpcrete, transit
8 mixers, agitator mixer, half truck, witch truck, side-o-matic,
9 dynamite, powder, x-ray, welding, skid, jeep, station wagon,
0 stringer, a-frame, all dual purpose trucks, trucks with
1 mechanical tailgates, asphalt distributor, batch trucks, seeding,
2 mulching, fertilizer, air compressor trucks (in transit), parts
3 chaser, escort, scissor, hi-lift, telescope, concrete breaker,
4 gin pole, stone, sand, asphalt distributor and spreader, nipper,

5

6 fuel trucks (drivers on fuel trucks including handling of hose
7 and nozzle - entire unit), team drivers, vacuum or vac-all trucks
8 (entire unit), skid truck (debris container - entire unit),
9 concrete mobile trucks (entire unit), expediter (parts chaser),
0 beltcrete trucks, pumpcrete trucks, line truck, reel truck,
1 wreckers, utility trucks, tack trucks, warehousemen, warehouse
2 parts-men, yardmen, lift truck in warehouse, warehouse clerk,
3 parts man, material checker, receivers, shippers, binning men
4 (materials), cardex man, drivers on the following type vehicles:
5 broyhill coal tar epoxy trucks, little ford bituminous
6 distributor, slurry seal truck or vehicle,
7 thiokol track master pickup (swamp cat pickup); bucket loader
8 dump truck and any rubber-tired tractor used in pulling and
9 towing farm wagons and trailers of any description, similar type
0 vehicles, off-site and on-site repair shop

1 GROUP 2: Drivers on straight 3-axle materials: trucks and floats

2

3 GROUP 3: Drivers on all euclid type vehicles: euclids,
4 international harvestors, wabcos, caterpillar, koehring, tractors
5 and wagons, dumpsters, straight, bottom, rear and side dumps,
6 carry-alls and scrapers (not self-loading, loading over the top);

7 water sprinkler trailers; water pulls and similar types of
8 vehicles; drivers on tractors and trailer type vehicles: flat,
9 floats, I-beams, low beds, water sprinkler, bituminous transit
0 mix, road oil, fuel, bottom dump hopper, rear dump, office,
1 shanty, epoxy, asphalt, agitator mixer, mulching, stringer,
2 seeding, fertilizing pole, spread, bituminous distributor, water
3 pulls (entire unit) (tractor trailer), reel trailer, and similar
4 types of vehicles

5

6 GROUP 4: Winch trailer drivers

7 -----

8

9 TEAM0469C 05/01/2000

0 Rates Fringes

1 HUNTERDON, MIDDLESEX, SOMERSET, UNION (up to Wood Avenue South
2 of Cranford), AND WARREN COUNTIES

3

4 TRUCK DRIVERS:

5 GROUP 1	26.35	11.835+A
6 GROUP 2	26.40	11.835+A
7 GROUP 3	26.50	11.835+A
8 GROUP 4	26.60	11.835+A

9

0 FOOTNOTE:

1 A. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence
2 Day, Labor Day, Thanksgiving Day, Christmas Day, plus
3 Washington's Birthday, Election Day and Veteran's Day,
4 provided that the employee has been assigned to work or
5 "SHIFTS" one day of the calendar week during which the
6 holiday falls.

7 \$400.00 per year to Apprenticeship Training Fund.

8 \$3.00 per hour premium pay for hazardous waste work.

9

0 TRUCK DRIVERS CLASSIFICATIONS

1

2 GROUP 1: Drivers on the following type vehicles: straight dumps,
3 flats, floats, pickups, container haulers, fuel, water sprinkler,
4 road oil, stringer, bead, hot pass, bus dumpcrete, transit
5 mixers, agitator mixer, half truck, winch truck, side-o-matic,
6 dynamite, powder, x-ray, welding, skid, jeep, station wagon,
7 stringer, A-frame, all dual purpose trucks, trucks with
8 mechanical tailgates, asphalt distributor, batch trucks, seeding,
9 mulching, fertilizer, air compressor trucks (in transit), parts
0 chaser, escort, scissor, hi-lift, telescope, concrete breaker,
1 gin pole, stone, sand, asphalt distributor and spreader, nipper,
2 fuel trucks (drivers on fuel trucks including handling of hose
3 and nozzle - entire unit), team drivers, vacuum or vac-all trucks
4 (entire unit), skid truck (debris contained - entire unit),
5 concrete mobile trucks (entire unit), expediter (parts chaser),
6 beltcrete trucks, pumpcrete trucks, line truck, reel truck,
7 wreckers, utility trucks, tack trucks, warehousemen, warehouse

8 parts-men, yardmen, lift truck in warehouse, drivers on the
 9 following type vehicles: Broyhill coal tar epoxy trucks, little
 0 ford bituminous distributor, slurry seal truck or vehicle,
 1 thiokol track master pickup (swamp cat pickup); bucket loader
 2 dump truck and any rubber-tired tractor used in pullind and
 3 towing farm wagons and trailers of any description, similar type
 4 vehicles, off-site and on-site repair shop

5
 6 GROUP 2: Drivers on straight 3-axle materials: trucks and floats
 7

8 GROUP 3: Drivers on all euclid type vehicles: euclids,
 9 international harvesters, wabcos, caterpillar, koehring, tractors
 0 and wagons, dumpsters, straight, bottom, rear and side dumps,
 1 carry-alls and scrapers (not self-loading, loading over the top);
 2 water sprinkler trailers; water pulls and similar types of
 3 vehicles; drivers on tractors and trailer type vehicles: flat,
 4 floats, I-beams, low beds, water sprinkler, bituminous transit
 5 mix, road oil, fuel, bottom dump hopper, rear dump, office,
 6 shanty, epoxy, asphalt, agitator mixer, mulching, stringer,
 7 seeding, fertilizing pole, spread, bituminous distributor, water
 8 pulls (entire unit) (tractor trailer), reel trailer, and similar
 9 types of vehicles

0
 1 GROUP 4: Winch trailer drivers
 2 -----
 3

4 TEAM0560C 05/01/1997

5 Rates Fringes
 6 BERGEN, HUDSON AND PASSAIC COUNTIES
 7

8 TRUCK DRIVERS:

9 GROUP 1	24.45	8.08+A
0 GROUP 2	24.50	8.08+A
1 GROUP 3	24.60	8.08+A
2 GROUP 4	24.70	8.08+A

3
 4 FOOTNOTE:

5 A. PAID HOLIDAYS: New Year's Day, Washington's Birthday,
 6
 7 Memorial Day, Independence Day, Labor Day, Presidential
 8 Election Day, Veteran's Day, Thanksgiving Day, Christmas
 9 Day. \$3.00 per hour premium pay for hazardous work.

0
 1 TRUCK DRIVERS CLASSIFICATIONS
 2

3 GROUP 1: Drivers on the following type vehicles: straight dumps,
 4 flats, floats, pickups, container haulers, fuel, water sprinkler,
 5 road oil, stringer, bead, hot pass, bus dumpcrete, transit
 6 mixers, agitator mixer, half truck, winch truck, side-o-matic,
 7 dynamite, powder, x-ray, welding, skid, jeep, station wagon,
 8 stringer, A-frame, all dual purpose trucks, trucks with

9 mechanical tailgates, asphalt distributor, batch trucks, seeding,
0 mulching, fertilizer, air compressor trucks (in transit), parts
1 chaser, escort, scissor, hi-lift, telescope, concrete breaker,
2 gin pole, stone, sand, asphalt distributor and spreader, nipper,
3 fuel trucks (drivers on fuel trucks including handling of hose
4 and nozzle - entire unit), team drivers, vacuum or vac-all trucks
5 (entire unit), skid truck (debris container - entire unit),
6 concrete mobile trucks (entire unit), expediter (parts chaser),
7 beltcrete trucks, pumpcrete trucks, line truck, reel truck,
8 wreckers, utility trucks, tack trucks, warehousemen, warehouse
9 parts-men, yardmen, lift truck in warehouse, warehouse clerk,
0 parts man, material checker, receivers, shippers, binning men
1 (materials), cardex man, drivers on the following type vehicles:
2 broyhill coal tar epoxy trucks, little ford bituminous
3 distributor, slurry seal truck or vehicle, thiokol track master
4 pickup (swamp cat pickup); bucket loader truck and any rubber-
5 tired tractor used in pulling and towing farm wagons and trailers
6 of any description, similar type vehicle s, off-site and on-site
7 repair shop
8

9 GROUP 2: Drivers on straight 3-axle materials: trucks and floats
0

1 GROUP 3: Drivers on all euclid type vehicles: euclids,
2 international harvestors, wabcos, caterpillar, keohring, tractors
3 and wagons, dumpsters, straight, bottom, rear and side dumps,
4 carry-alls and scrapers (not self-loading, loading over the top);
5 water sprinkler trailers; water pulls and similar types of
6 vehicles; drivers on tractors and trailer type vehicles: flat,
7 floats, I-beams, low beds, water sprinkler, bituminous transit
8 mix, road oil, fuel, bottom dump hopper, rear dump, office,
9 shanty, epoxy, asphalt, agitator mixer, mulching, stringer,
0 seeding, fertilizing pole, spread, bituminous distributor, water
1 pulls (entire unit) (tractor trailer), reel trailer, and similar
2 types of vehicles
3

4 GROUP 4: Winch trailer drivers

5 -----
6

7 WELDERS - Receive rate prescribed for craft performing operation
8 to which welding is incidental.

9 =====
0

1 Unlisted classifications needed for work not included within
2 the scope of the classifications listed may be added after
3 award only as provided in the labor standards contract clauses
4 (29 CFR 5.5(a)(1)(v)).

5 -----

6 In the listing above, the "SU" designation means that rates
7 listed under that identifier do not reflect collectively
8 bargained wage and fringe benefit rates. Other designations
9 indicate unions whose rates have been determined to be

0 prevailing.

1

2 WAGE DETERMINATION APPEALS PROCESS

3

4 1.) Has there been an initial decision in the matter? This can
5 be:

6

7 * an existing published wage determination

8 * a survey underlying a wage determination

9 * a Wage and Hour Division letter setting forth a

0 position on a wage determination matter

1 * a conformance (additional classification and rate)

2 ruling

3

4 On survey related matters, initial contact, including requests
5 for summaries of surveys, should be with the Wage and Hour
6 Regional Office for the area in which the survey was conducted
7 because those Regional Offices have responsibility for the
8 Davis-Bacon survey program. If the response from this initial
9 contact is not satisfactory, then the process described in 2.)
0 and 3.) should be followed.

1

2 With regard to any other matter not yet ripe for the formal
3 process described here, initial contact should be with the Branch
4 of Construction Wage Determinations. Write to:

5

6 Branch of Construction Wage Determinations

7 Wage and Hour Division

8 U. S. Department of Labor

9 200 Constitution Avenue, N. W.

0 Washington, D. C. 20210

1

2 2.) If the answer to the question in 1.) is yes, then an
3 interested party (those affected by the action) can request
4 review and reconsideration from the Wage and Hour Administrator
5 (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

6

7 Wage and Hour Administrator

8 U.S. Department of Labor

9 200 Constitution Avenue, N. W.

0 Washington, D. C. 20210

1

2 The request should be accompanied by a full statement of the

3

4 interested party's position and by any information (wage payment
5 data, project description, area practice material, etc.) that the
6 requestor considers relevant to the issue.

7

8 3.) If the decision of the Administrator is not favorable, an
9 interested party may appeal directly to the Administrative Review
0 Board (formerly the Wage Appeals Board). Write to:

1
2 Administrative Review Board
3 U. S. Department of Labor
4 200 Constitution Avenue, N. W.
5 Washington, D. C. 20210
6
7 4.) All decisions by the Administrative Review Board are final.
8 END OF GENERAL DECISION

SECTION 01270
MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 LUMP SUM PAYMENT ITEMS

Payment items for the work of this contract for which contract lump sum payments will be made are listed in the PRICE SCHEDULES and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed lump sum item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

1.1.1 Mobilization and Demobilization (Item No. 0001AA)

1.1.1.1 Payment

Payment will be made for costs associated with mobilization and demobilization, as defined in Contract Clause PAYMENT FOR MOBILIZATION AND DEMOBILIZATION.

1.1.1.2 Unit of Measure

Unit of measure: lump sum.

1.1.2 Field Office (Item No. 0001AF)

1.1.2.1 Payment

Payment will be made for costs associated with operations necessary for installation, system setup, maintenance services, and removal of equipment at designated area in accordance with the requirements specified in paragraph entitled "FIELD OFFICE" of Section 00800: Special Contract Requirements.

1.1.2.2 Unit of Measure

Unit of measure: lump sum.

1.1.3 Additional cost for Optional Insurance (Item No. 0002)

1.1.3.1 Payment

Payment will be made for costs associated with additional insurance premium provided by the contractor as requirements specified in Section 00800.

1.1.3.2 Unit of Measure

Unit of measure: lump sum.

1.2 UNIT PRICE PAYMENT ITEMS

Payment items for the work of this contract on which the contract unit price payments will be made are listed in the PRICE SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for each of the unit price items.

1.2.1 Debris Removal and Disposal (Item No. 0001AB)

1.2.1.1 Payment

Payment will be made for costs associated with the collection, storage and handling, and the removal from the site and proper disposal of all debris recovered from the bottom and all floating debris. Bottom debris including cables, pilings, line, and all objects, which are unsuitable for placement in the HARS or upland disposal site or artificial reef site.

1.2.1.2 Unit of Measurement

Unit of measure: ton (2,000 lbs).

1.2.2 Dredging, Transportation, Delivery, Processing and Placement of Dredged Materials Unsuitable/Suitable for Placement at the HARS/, Excludes Dewatering: Item No. 0001AD.

-Item No. 0001AC; Dredging, Transportation, Delivery, and Disposal of Dredged Materials Unsuitable for Placement at the HARS, Excludes Dewatering; Placement at Bayonne Landfill Remediation Site and or site of the contractor's choice.

-Item No.0001AG; Dredging, Transportation, Delivery, and Disposal of Dredged Materials Suitable for Placement Upland, Excludes Dewatering and Excludes Processing; Placement at Bayonne Landfill Remediation Site and or a site of the contractor's choice (placement upland without processing).

-Item No. 0001AJ; Dredging, Transportation, Delivery, and placement of non-rock materials suitable for placement upland, Excludes Dewatering and Excludes Processing (placement at the Newark Bay Confined Disposal Facility).

-Item No. 0003; Disposal of Dredged Materials suitable for Placement at the HARS, Excludes Dewatering and Excludes Processing.

-Item No. 0004; Disposal of Dredged Materials suitable for Placement at the HARS, Excludes Dewatering and Excludes Processing.

1.2.2.1 Payment

Payment will be made for costs associated with dredging, including transportation and deposition of dredge material at designated disposal sites, processing, monitoring, and other incidental thereto, including hydrographic surveys.

1.2.2.2 Measurement

The total quantity of dredged material for each contract line item number for which payment will be made will be by in-situ (quantity) measurement in cubic yards by computing the difference of available material between the pre-dredge survey and the post-dredge survey. Available material is defined as material located within the boundaries of the dredged prism as shown on the drawings to include the required dredged depth of **43** ft below MLW and up to 1.5 ft allowable overdepth. Specifically, a quantity of available material will be computed between the dredge prism and the bottom surface shown by the soundings of the Government's pre-dredge survey, and a quantity of available material will be computed between the dredge prism and the bottom surface shown by the Government post-dredge survey. The difference between these two available quantities (pre-dredge and post-dredge) will constitute the quantity of material dredged. Misplaced materials (including any required removal and placement), excessive dredging, and materials falling or drawn into the cut from beyond the side slope plane or beyond the limits indicated, will be excluded from the quantities for which payment will be made. The Triangulated Irregular Network (TIN) method will be used for quantity determination.

1.2.2.3 Unit of Measure

Unit of measure: cubic yard.

1.2.3 Dewatering in Accordance with WQCs and OENJC site (and/or contractor's proposed site(s)) Specifications for Upland Placement (Item No. 0001AD and 0001AH)

1.2.3.1 Payment

Payment will be made for costs associated with dewatering, monitoring, and other incidental thereto, excluding transportation to berthing areas.

1.2.3.2 Measurement

The total quantity of dewatering material for which payment will be made will be by in-situ (quantity) measurement in cubic yards by computing the difference of available material between the pre-dredge survey and the post-dredge survey. Available material is defined as material located within the boundaries of the dredge prism as shown on the drawings to include the required dredged depth of **43**ft below MLW and up to 1.5 ft allowable overdepth. Specifically, a

quantity of available material will be computed between the dredge prism and the bottom surface shown by the soundings of the Government's pre-dredge survey, and a quantity of available material will be computed between the dredge prism and the bottom surface shown by the Government post-dredge survey. The difference between these two available quantities (pre-dredge and post-dredge) will constitute the quantity of material dredged. Misplaced materials (including any required removal and placement), excessive dredging, and materials falling or drawn into the cut from beyond the side slope plane or beyond the limits indicated, will be excluded from the quantities for which payment will be made. The Triangulated Irregular Network (TIN) method will be used for quantity determination.

1.2.3.3 Unit of Measure

Unit of measure: cubic yard.

1.2.4 Subsurface drilling and sampling (Item No. 0001AE)

1.2.4.1 Payment

Payment will be made for costs associated with subsurface drilling and sampling for each drill hole performed, including mobilization and demobilization of all equipment necessary to perform the required drilling sampling, and coring to a depth of 55 feet below MLW. Mobilization and demobilization will include a drill rig of complete assembly and in working order as well as the transportation of samples and cores to the Caven Point Marine Terminal. Size of sampling shall be 1-3/8 inch diameter and size of rock core shall be NX diameter core.

1.2.4.2 Measurement

The measurement for drilling drive sample drill holes including soil sampling and rock core drilling (vertical) will be the number of holes that were drilled in accordance with the specifications. Measurements will be made from mean low water.

1.2.4.3 Unit of Measure

Unit of measure: each.

-- End of Section --

SECTION 02900
DREDGING AND DISPOSAL

1. Mobilization and Demobilization.

- 1.1 Mobilization shall include all costs for operations accomplished prior to commencement of actual dredging operations, such as transfer of dredges, attendant plant, field offices and facilities, and equipment to the project site, preparation of disposal areas, and other incidental operations in advance of actual dredging work. Demobilization shall include general preparation for transfer of plant to its home base, cleanup of disposal and operations areas, and transfer of plant to its home base. The cost of work other than mobilization and demobilization of the Contractor's dredging plant and equipment shall not be included in this item.

2. Site Conditions.

2.1 Review of Existing Documents

- 2.1.1 The Contractor is required to provide mechanical equipment capable of removing material to be dredged at a rate sufficient to complete the work within the specified time period as indicated in SECTION 00800: Special Contract Requirements.
- 2.1.2 Bidders are invited to examine Corps of Engineers subsurface exploration logs and to decide for themselves the character of the materials. The samples are available for inspection at the New York District, Caven Point Marine Terminal, Jersey City, New Jersey. For further information bidders should contact the New York District, Engineering Division, Civil Engineering Section, Mr. Ben Baker, at (212) 264-9110.
- 2.1.3 Bidders are expected to examine the site of the work, including the disposal areas, and decide for themselves the site condition that may affect their operations. See Contract Clause entitled "Site Investigation and Conditions Affecting the Work".

2.2 Existing Conditions

2.2.1 Character of Materials.

- 2.2.1.1 Subsurface Explorations including soil borings and rock cores are provided so that potential bidders can determine the area extent and characteristics (including dredgeability) of the soil to be removed. The results are shown on the maps and drawings referred to in Special Contract Requirements SECTION 00800, entitled "Contract Drawings, Maps, and Specifications". Although the results of these investigations are believed to be representative of subsurface conditions at their respective locations and for their respective vertical reaches, local variations in the subsurface materials are to be expected and, if encountered, will not be considered to constitute 'materially different' site conditions within the context of Contract Clause entitled "Different Site Conditions".

2.2.1.2 The materials to be found above the required depth, **43 ft** below MLW, include, but are not limited to:

- (1). Red-brown, fine to coarse graded, well graded, and very dense Pleistocene sand (Till);
- (2). Stiff to very stiff Pleistocene Clayey Silt;
- (3). Gray to brown, fine to medium graded, moderately dense, poorly graded;
- (4). Dark gray to black, slightly organic to organic, very soft occasional shell fragments Recent Silt and Clay sediments at and above the contract depth.
- (5). Trash and debris - Trash, debris and other miscellaneous man-made and natural objects should be expected to be encountered during the course of the dredging. This material may be encountered at any location above the required depth of **43 ft** below MLW and may include but be not limited to, wood, sheet metals, glass, lumber, plastics, tires, hoses, chains, cables, and hawsers.

3. Dredging Equipment. It is anticipated that a variety of dredging equipment will be necessary for the removal of soils within the project area. All material shall be removed with dredging equipment appropriate for the material encountered (i.e. conventional clamshell, closed bucket with vents and rubbers seals for soft sediment, dipper, power shovel, etc.). The use of hopper and cutter head dredges is prohibited.
4. Dredge/Disposal Inspector. The Contractor at his/her own expense shall have the USACE certified Inspector(s) of Open Water Disposal of Dredged Material to oversee the placement activities of all dredged materials at the upland disposal sites, Newark Bay Confined Disposal Facility and the HARS if used. The Dredge/Disposal Inspector shall be responsible for ensuring that the requirements contained in the drawings, specifications, the New Jersey DEP Water Quality Certificate/Coastal Zone Determination is met. The Inspector must complete USACE Transportation and Placement Logs for all placement activities performed. Inspectors will be required to be on duty and in the towing vessel wheelhouse, to observe scow monitoring equipment function, watch for endangered species, and perform other inspector duties, from the time the towing vessel departs from the dredging site until the scow has fully docked at the upland disposal unloading facility.

5. General Requirements

5.1 Overdepth and Side Slopes

5.1.1 Allowable Overdepth

To cover inaccuracies of the dredging process, a maximum 1.5 ft allowable overdepth dredging below the required dredging depth will be permitted. The required dredging depth as shown on the drawings is **43 ft** below MLW. An allowable overdepth dredging will be measured and paid for at the applicable contract price in the same manner as specified for the overlying material to be dredged.

5.1.2 Side Slopes

The side slope dredging requirements as shown on the drawings are as follows:
Non-Rock material: 1V to 3H

Material actually removed within limits shall provide for final side slopes not flatter than those indicated on the drawings and will be estimated and paid for. The Contractor may dredge material in original position or may dredge below the pay slope plane at the bottom of the slope to allow for sloughing of upslope material capable of falling into the cut. However, material removed below any pay slope plane will not be estimated for payment. In computing the limiting amount of side slope dredging, the required depth indicated on the drawings, measured vertically, will be used. The quantity of material to be paid for shall not be in excess of that originally lying above this limiting slope. Side slopes are given for payment purposes only and are not necessarily the angle of repose of the soil. Sloughing side slopes shall not be the basis for claims against the Government. End slopes, where indicated on the drawings, shall be treated in the same manner as side slopes.

5.1.3 Excessive Dredging

Material taken from beyond the allowable overdepth or side slope limits may be deducted from the total amount dredged as excessive dredging, or excessive side-slope dredging. Materials dredged from below the depth limit which result in extra costs shall be the responsibility of the Contractor. Nothing here shall be construed to prevent the inclusion in the measurement of material dredged for the removal of shoals performed in accordance with the applicable of the paragraph: FINAL EXAMINATION AND ACCEPTANCE.

5.2 If during the dredging or upon completion of the post-dredging surveys and soundings, materials are found above the required dredging depth of 43 ft below MLW, these materials shall be removed immediately at the Contractor's expense.

5.3 Reprofilng of the channel bottom in any area is prohibited.

5.4 Orders and Sequence of Work

5.4.1 The contractor is required to remove all non-rock dredged materials and dispose of at the Government designated upland disposal facility and/or Contractor proposed alternate disposal site.

5.4.2 The Contractor shall from June 1 through January 31 work from the east to the west and from February 1 through May 31 shall work from the west to the east of the Channel unless otherwise directed by the Contracting Officer or the contracting officer's representative..

5.4.3 Interference with Navigation: Minimize interference with the use of channels and passages. The Contracting Officer will direct the shifting or moving of dredges or the interruption of dredging operations to accommodate the movement of vessels and floating equipment if necessary.

- 5.5 The Contractor will have a "NOTICE TO MARINERS" published by the Coast Guard prior to the initiation of any disposal activities. The Contractor shall also coordinate all dredging and transportation activities with the U.S. Coast Guard Activities New York, Vessel Traffic Service Branch at 718-354-4191 or facsimile 718-354-4190. Every vessel engaged in the transportation of dredged material shall have its name or number, and owner's name, painted in letters and numbers at least fourteen (14) inches high, on both sides of the vessel. These name and numbers shall be kept distinctly legible at all times, and no vessel not so marked, shall be used to transport dredged material, or place dredged material.

Scow Identification and Certification and Backup Scow: All scows that will be used, or may be used, during this dredging project must be identified prior to the first day of dredging. Scows identified for use on the project must be certified to be fully operational, mechanically sound, completely seaworthy, and free of leaks or other defects.

- 5.6 The Contractor or its authorized dredging or towing contractor must equip each scow, which transports dredged material for placement with an Automated Disposal Surveillance System (ADISS) developed by Science Applications International Corporation (SAIC), which consists of ADISS boxes on scows, and ADISS/ADISSLt units on towing vessels. Before each departure, the USACE certified Inspector must ensure that the ADISS box is in good working order (i.e. ADISSPlay System on towing vessel indicates communication with ADISS System is active) and that the ADISSLt system is functional and ready for potential use as a backup to ADISS/ADISSPlay. Furthermore, the CDI and the Scowman, if used, must jointly continue to monitor the functioning of the ADISS box during each trip. **Should the CDI suspect at any time that the ADISS box is not functioning properly (i.e. ADISSPlay System malfunctions), the CDI must immediately contact the COR and the ADISS contractor at 1-800-729-4210.** Latitude-longitude coordinates of the scow, displayed by the ADISS systems, should be periodically checked against latitude-longitude coordinates of tugboats, when passing the same, fixed geographic position (i.e. channel marker). The coordinates should be approximately the same. Discrepancies should be noted and investigated through contact with the COR and ADISS coordinator.

- 5.7 Scows may not be transported from the dredging site for offshore placement of dredged material unless the tugs DGPS navigation system, ADISS/ADISSPlay/ADISSLt systems, are all in full working order and provide correct information. However, if SAIC personnel are servicing/repairing the ADISS/ADISSPlay equipment, the ADISSLt equipment may be used, and an affected scow may be transported for ocean placement. ADISSLt must only be used on two consecutive placement trips of a scow. ADISSLt is an emergency backup to the ADISS/ADISSPlay equipment and must not be routinely used.

- 5.8 **Floatable Materials:** All floatable material excavated including but not limited to wood and tires must be disposed at an existing approved upland disposal area. Should the Contractor encounter floatable material, a copy of a letter granting the permission of appropriate authorities to use an existing approved upland area must be submitted to the Contracting Officer and/or his Representative

- 5.9 All dumping activities shall be recorded as specified below.

Twenty four (24) hours prior to departure of the first project vessel from port for the open water placement of any dredged material, the Contractor shall notify the New York District USACE by telephone. Calls regarding departures shall be made to the Dredged Material Management Section at (212) 264-1853 or 5622. The Contractor will furnish the Contractor name, project name, inspector name and estimated time of departure.

- 5.10 The Contracting Officer, or his Representative, reserves the right to have Corps of Engineers and/or the Environmental Protection Agency Inspectors accompany all trips to the placement site to certify compliance with the above
- 5.11 The Contractor, or his authorized Representative, shall give notice of sailing by telephone, or via direct radio transmission between the Contractor's tug and the US Coast Guard 2 hours prior to departure of a vessel from port. Telephone calls should be made to the US Coast Guard at (718) 354-4088.
- 5.12 **Corps Disposal Inspector (CDI):** The Contractor must hire USACE, NY District, certified Inspectors of Open Water Disposal of Dredged Material, known as Corps Disposal Inspectors (CDIs). CDIs will observe loaded scows at the dredging site, monitor transport of dredged material, and monitor placement activities at the upland site(s), Newark Bay Confined Disposal Facility(CDF) and HARS, if it is used.. CDIs will be responsible for ensuring that the requirements contained in these specifications, and any other guidance and requirements provided to the contractor related to dredged material placement, are met. CDIs will help ensure that placement guidelines, particularly as presented during the pre-construction meeting, and described below, are being followed. CDIs must be awake and on duty from the time the scow is towed from the dredging site until the scow doors are closed and all reporting requirements associated with each trip have been completed. CDIs must complete the checklists during each placement trip.
- a.** A list of CDIs can be obtained from the USACE Ocean Placement Manager, Dr. Stephen Knowles, at (212) 264-1853. Fourteen (14) days prior to departure of the first project vessel from port for open water placement of any dredged material, the Contractor must submit a letter to the New York District with the names and certification information of all CDIs who will be working on the project. The Contractor must furnish CDI names, companies CDIs are affiliated with if not independent CDIs, and the expected duration of employment of CDIs who will begin service at the start of the project. CDIs who will be on duty at the beginning of the dredging project must be present at the pre-construction meeting to review placement guidelines and requirements associated with this project. Any CDIs who begin duty after the first day of dredging must meet with NY District personnel to review placement guidelines and requirements associated with this project prior to working as a CDI on the project. Notice of replacement CDIs must be submitted to NY District at least two weeks prior to beginning work, unless illness of a CDI or other unforeseen event prevents such notification. The Contractor must furnish CDI names, companies CDIs are affiliated with if not independent CDIs, and the expected duration of employment of replacement CDIs who will work on the project.

b. CDIs are not allowed to be on duty for more than twelve (12) hours per day. CDIs must be provided a minimum of eight (8) hours of continuous off-duty time each day to allow appropriate rest to ensure safety and competence. CDIs must be provided with a designated bunk space or other suitable sleeping location while working aboard a towing vessel and a suitable location for completing paperwork associated with CDI duties. The contractor is not permitted to direct the CDI in completion of CDI duties/requirements unless specifically requested by NY District. Although CDIs are financially employed by the Contractor, either directly or through sub-contracting, CDI duties and requirements are established by NY District. NY District will be responsible for determining whether CDIs are satisfactorily performing their duties and requirements.

c. The following items, provisions, accommodations, and supplies must be provided for the use of each CDI working on the dredging contract:

- legible copy of the permit or contract specifications, as related to scow loading, transport, and dredged material placement;
- A legible copy of the Placement Guidelines and placement grid map received at the pre-construction meeting, or any additional instructions or guidelines as related to scow loading, transport, and dredged material placement;
- an 8" – 12" wide protractor with degrees printed or embossed on the curved surface;
- dividers for scaling distances off of maps and charts;
- scow loading tables for each scow used to transport dredged material;
- a fully operational, handheld laser range finder with a range of at least 1000 feet, and manufactured no earlier than 1998, must be available for use by the CDI at any time. Spare batteries for the laser range finder must be available at all times;
- access to the towing vessel DGPS, fathometer, and radar;
- fully operable personal cellphones in possession of each CDI at all times with active phone numbers unique to each phone available for placing and receiving calls at all times. Cell phone numbers must be provided to NY District at the pre-construction meeting;
- suitable location for completing paperwork associated with CDI duties;
- a fully operational fax machine must be onboard the towing vessel for use by the CDI within 2 hours of each placement event, or available for use by the CDI at the dredging site within 4 hours of each placement event;
- Any discrepancies or other concerns noted by the CDI regarding placement activities shall be reported immediately (via cellular phone from the tug, or within one-half hour of return to the dredge site or port) to the KVK Project Office at (201) 433-9232 or 9228 and USACE HARS Manager at (212) 264-1853 or x1585.

Additional items related to the duties of the CDI may be required at any time during the period of the dredging contract;

6. Dredging and Disposal of "Non-rock materials" unsuitable for placement at the HARS

- 6.1 The “non-rock” dredged material is composed of the material identified in para. 2.2.1.2 item numbers 1 through 4 that are deposited within the dredging limits as shown on the contract drawings is considered unsuitable for placement at the HARS.

All non-Rock dredged material capable of being removed using an "environmental" bucket shall be removed with an "environmental" bucket. If after the Contractor has used the "environmental" bucket and has not achieved **43 ft** below MLW, the Contractor shall use a conventional bucket to remove the non-rock material to **43 ft** below MLW.

These dredged materials shall be disposed of at the disposal site designated by the Government. The Contractor Quality Control (CQC) personnel, the Contracting Officer Representatives, and USACE certified Dredge/Disposal Inspector shall jointly determine the character of materials to be disposed of at the non-ocean placement site or designated upland disposal sites.

6.2 Disposal Facilities

The Government has identified the following sites for the processing and disposal of non-rock dredged material. The Contractor shall coordinate with the operator of the disposal facility to ensure that the necessary facility requirements are included in the Contractor's bid price. The Contractor shall submit a schedule and the anticipated quantity to be placed of at the disposal sites within 3 calendar days from the date the contractor is notified as the apparent low bidder.

- 1) The following site shall be the only government identified non-ocean placement site used for item number 0001AC in the price schedule.

Disposal Site: Bayonne Landfill Remediation Site

Operator: Cherokee/OENJ

Location: 61 North Hook Road, Bayonne, NJ 07002

Point of contact: Mr. Irving Cohen, President

Phone Number: 212 904-0705

Location of Unloading Facility: Northeast corner of the property

- 2) The following site shall be the only non-ocean placement site used for number 0001AI.

Disposal Site: Newark Bay Confined Disposal Facility (NBCDF)

Operator: Port Authority of New York and New Jersey

Location: Newark Bay

Point of contact: James Iacone

Phone Number: 212 435-4267

Location of Unloading Facility: Disposal will take place above the NBCDF

The Contractor will be required to pay a management fee of \$29.00 per cubic yard disposed of at the NBCDF. A management fee will be derived from volume calculation taken from a before-dredge and after-dredge bathymetric survey of the contract limit area as designated in the contract drawings and specifications based upon in-situ non-HARS sediment at the origin dredging site.

The after-dredge survey will be performed for an area after the material for NBCDF disposal has been removed and before underlying material for HARS remediation or reef construction is removed. All other payment to the Port Authority of New & New Jersey shall be in accordance with the requirements specified in the NBCDF Final Operation and Management Plan.

- 6.3 Any non-rock material capable of being removed using an "environmental" bucket shall be removed with an "environmental" bucket to refusal. The defining characteristics of environmental bucket are as follows:
- a. The bucket shall be provided with welded steel covers and rubber seals specifically designed and installed by the bucket manufacturer to minimize leakage from the closed bucket.
 - b. The closed bucket shall be equipped with vertical side plates, with rubber seals, which overlap or some method to reduce sediment loss at closure and shall act as an enclosure to eliminate redeposit of soil from the bucket.
 - c. The bucket shall be equipped with a switch, with signal light in the control station, to verify bucket closure and seal.
 - d. The bucket will be designed to produce a flat cut and to minimize resuspension during closing and lifting.

A shop drawing of the contractor's bucket shall be provided to the Contracting Officer for approval prior to the commencement of dredging.

- 6.4 No dredging operations shall be done unless the Dredge/Disposal Inspector, approved by the Contracting Officer, is present. The Inspector shall visually inspect the dredged material and take photographs or videos to document the conditions of the dredged material.

- 6.5 For the purpose of progress payment, the Contractor shall perform bathymetric surveys immediately following removal of debris and prior to removing any non-rock material destined for the upland disposal site to determine the contract dredged volume of non-rock materials disposal at the upland disposal facility. The contract volume is derived from volume calculations taken from a pre- and post-dredge bathymetric surveys based upon in-situ non-rock sediment at the origin of dredge site. Refer to Section 00800, Quantity Surveys.

- 6.6 When working in non-rock dredged material, the Contractor shall employ the following best management practices:

- 1) No barge overflow shall be permitted during the dredging and transport of any contaminated dredged material.
- 2) Dredging of non-rock materials shall be accomplished using a closed "environmental" bucket. Dredging of consolidated "new work" material is not subject this equipment restriction, but shall be accomplished using best management techniques to minimize the suspension of sediment.
- 3) Dredged material shall be placed deliberately in the barge in order to prevent spillage of material overboard.
- 4) The dredge shall be operated so as to maximize the bite of the environmental bucket. This will reduce the amount of free water in the dredged material and the number of the bites required for completing the job.

- 5) To minimize the loss of material during the excavation the environmental bucket lift speed shall not exceed 2 feet per second.
- 6) All barges or scows used to transport sediment shall be of solid hull construction or be sealed with concrete, except for material permitted for subaqueous disposal.
- 7) Should decanting of water from barges be required before disposal, the State of New Jersey will make berthing area(s) available for dewatering purpose (Section 00903). The Contractor may use the berthing area located in the Port Jersey Channel designated by the Contracting Officer for this project unless otherwise directed by the Contracting Officer. All operation and management rules shall be in accordance with the requirements specified in the State of New Jersey Water Quality Certificate/Federal Consistency 0000-92-0031.5 Contract 1- Port Jersey Inner Channel 41-Foot Deepening Project.

6.7 The Contractor shall submit a schedule for disposal of non-rock dredged material to the disposal facility and Point of Contact to the Contracting Officer's Representative at least 30 calendar days prior to the commencement of the dredging of said material. The schedule shall indicate the anticipated flow of material.

6.8 The towing vessel captain is responsible to ensure, prior to the departure of the towing vessel from the dredge site, that the forecasted weather and sea conditions at the expected time of arrival at the disposal facility will allow for safe conditions. If upon arrival at the disposal site facility, prevailing conditions are such that deviation from the operating procedures of the disposal facility is necessary to ensure the safety of the operation, the responsibility for the determination of a minimum safe speed for the towing vessel, and a minimum safe distance will rest solely with the captain of the towing vessel.

6.9 The Contractor shall be responsible for the transport of dredged material and the tie-down of the scow to the designated location identified by the disposal operator. The Contractor is required to take all necessary precautions for the safety of, and to provide necessary protection to prevent damage, injury or loss to any person or property, including but not limited to: a) All employees of the Contractor, public, and other persons and entities who may be affected by thereby; b) the physical structure(s) in surrounding the navigation channel; and c) other property at the upland disposal facility, including piers, docks, berths, vessels, markers, lights, buoys, and other structures.

6.10 Dredging of Hard Material

Excavation of hard material (material that cannot be dredged by the environmental bucket) shall be performed by mechanical dredging only. Hydraulic dredging will not be permitted. Hard material shall be placed in scows and transported to the upland disposal site or disposal facility designated by the Government. Dredging of this material shall not commence until the issuance of the second Notice to Proceed.

- 6.11 The dredging and placement logs for dredged material unsuitable for placement at the HARS placement shall be completed and attached to the Contractor's daily CQC report and submitted on a daily basis.
- 6.12 The USACE certified dredge inspector shall verify acceptance of the dredge material unsuitable for the placement at the HARS from the upland facility at the time of arrival.

7. PLACEMENT OF DREDGED MATERIAL AT OPEN-WATER PLACEMENT SITES

Dredged Material Placement Protocol for the HARS. -IF CLIN 0003 is exercised the following requirement are applicable. All non-rock dredged material overlying the red-brown silt and clay that is capable of being dredged with an "Environmental" Bucket shall be removed under CLIN 0001AC

All of the provisions, guidelines, requirements, and instructions (PGRIs) in this section of the contract specification must be completed/complied with before any dredged material may be placed at a designated ocean placement site. Many of the PGRIs must be completed/complied with prior to the start of dredging. Any misplaced dredged material deemed to constitute a potential hazard to navigation by the Corps will be the sole liability of the dredging contractor to remove, as directed by the Corps. This would include, for example, placement of dredged material in a navigation channel that results in a mound or causes an area of shallower water within the channel; or any dredged material placed above a permitted depth associated with an artificial reef. The dredging contractor will assume all expenses and liabilities associated with creating mounds of dredged material above a permitted depth at an artificial reef site and expenses and liabilities associated with bringing such mounds below permitted depths.

7.1 Personnel Notification: This section of the contract specification must be provided to all contractor personnel working on any aspect of open-water placement of dredged material associated with this project, including personnel loading scows at the dredging site, personnel working on scows at the dredge site, personnel onboard towing vessels at the dredging site or while towing scows, including USACE NY District certified Inspectors of Open Water Disposal of Dredged Material (Corps Disposal Inspectors (CDIs)), and personnel aboard scows being towed. All personnel associated with loading of scows, transportation of dredged material, and placement of dredged material must be familiar with the guidelines and requirements contained in this portion of the contract specifications. Prior to the start of dredging, the contractor must submit a letter to the NY District listing the name, position title, and job description of each person who will be working on the towing vessels used to transport dredged material, each person who will be loading the scows with dredged material at the dredging site, and anyone else involved with scows at the dredge site or while being towed to the designated placement location. This letter must include verification that each person has been provided a copy of this portion of the contract specification, has read this portion of the contract specification, and understands the requirements described in this contract specification as related to their job duties. Additional guidelines and directives may be provided at any time during the duration of the dredging project and will become part of the contract specifications.

7.2 Ocean Placement Locations: IF awarded the Government has identified the Historic Area Remediation Site (HARS) for placement of dredged material, approved for ocean disposal, removed under CLIN 0001AC.

7.2.1 The Contractor shall perform dredged material placement at specific locations within the HARS, defined by the following perimeter coordinates:

Point	Latitude DMS	Longitude DMS	Latitude DDM	Longitude DDM
B	40° 25' 23" N	73° 53' 34" W	40° 25.38' N	73° 53.57' W
D	40° 25' 22" N	73° 52' 08" W	40° 25.37' N	73° 52.13' W
F	40° 23' 13" N	73° 52' 09" W	40° 23.22' N	73° 52.15' W
G	40° 23' 13" N	73° 51' 28" W	40° 23.22' N	73° 51.47' W
H	40° 22' 41" N	73° 51' 28" W	40° 22.68' N	73° 51.47' W
I	40° 22' 41" N	73° 50' 43" W	40° 22.68' N	73° 50.72' W
L	40° 25' 22" N	73° 50' 44" W	40° 25.37' N	73° 50.73' W
N	40° 25' 22" N	73° 49' 19" W	40° 25.37' N	73° 49.32' W
O	40° 21' 35" N	73° 49' 19" W	40° 21.58' N	73° 49.32' W
Q	40° 21' 36" N	73° 52' 08" W	40° 21.60' N	73° 52.13' W
T	40° 22' 08" N	73° 52' 08" W	40° 22.13' N	73° 52.13' W
U	40° 22' 08" N	73° 53' 34" W	40° 22.13' N	73° 53.57' W

DMS = Degrees, Minutes, Seconds

DDM = Degrees, Decimal Minutes

7.2.2 The Contractor will also use exact placement criteria set by the New York District Corps of Engineers. All placement of dredged material within the HARS will occur in strict accordance with the guidelines and locations attached to these specifications, and any future updates when provided by USACE, particularly at the pre-construction meeting.

7.2.3 All non-rock material approved for ocean disposal, excluding floating debris and trash, shall be transported to the HARS, unless otherwise directed.

Note: The coordinates of the exact location of the grid used for placement of dredged material at the HARS will be provided during the pre-construction meeting and may be changed at any time during the dredging project.

7.3 General Requirements: ALL PLACEMENT ACTIVITIES MUST BE RECORDED, AND REQUIREMENTS ADHERED TO, AS SPECIFIED BELOW.

- a.** Twenty four (24) hours prior to departure of the first project vessel from port for the open water placement of any dredged material, the Contractor must notify the New York District USACE by telephone. Calls regarding departures must be made to the Dredged Material Management Section at (212) 264-1853 or 5620. The Contractor must furnish the Contractor name, project name, inspector name and estimated time of departure.
- b.** The Contracting Officer, or his Representative, reserves the right to have Corps of Engineers and/or Environmental Protection Agency employees and other invited representatives accompany all trips to the placement site to certify compliance with any contract specifications or environmental regulations.
- c.** The Contracting Officer, or his authorized Representative, must give notice of sailing by telephone, or via direct radio transmission between the Contractor's tug and the US Coast Guard two hours prior to departure of a vessel from port. Telephone calls must be made to (718) 354-4088.
- d.** CDIs must submit reports of all placement activities authorized by this contract on the basis of one report for each scow of dredged material within 6 hours after each placement event. Reports must be printed from the ADISSPlay system aboard the towing vessel and must be transmitted via a cell phone link with the ADISSPlay system, and faxed to NY District at (212) 264-4260. If the electronic form can not be printed, a hand written form must be completed and submitted. Individual trip reports must utilize the USACE Transportation and Placement Log Form (TPLF), which must be fully completed electronically on board the towing vessel, or manually if equipment failure prevents electronic completion. **Any discrepancies or other concerns noted by the inspector regarding placement activities must be reported immediately, via cellular phone from the tug, to the USACE Ocean Placement Manager at (212) 264-1853 or (212) 264-5620, the towing vessel captain, the dredging contractor POC not onboard the towing vessel, and the Contracting Officer and/or his Representative.** These personnel are termed the "Notification List". Telephone numbers of personnel on the Notification List must be supplied to all CDIs working on the dredging project. Reports of discrepancies must also be faxed by the CDI as soon as possible to (212) 264-4260 and (NY District contract manager). Discrepancies that must be noted by the CDI on the TPL form and must be reported **immediately** to the Notification List include, but are not limited to, the following items:

- A scow has a mechanical problem, a leak, or visible damage that may cause leaking.
- A scow contains more than the maximum volume allowed for placement during a single trip.
- A scow has a noticeable list
- A trail of leaking dredged material is visible behind the scow
- A scow monitoring system (ADISS, ADISSPlay, and ADISSLt) is not functioning properly

- Fathometer, radar, vessel DGPS, and any other equipment/information necessary to conduct CDI duties are not present or are not fully functional.
- Scow draft pressure varies more than 20 points, or 1.5 feet of draft, from the value at the dredge site.
- A gradual increase or decrease in scow draft pressure values, exceeding 12 points (or actual scow draft of more than 1 foot) is observed.
- Any water depths observed anywhere within an artificial reef boundary within 15 feet of the permitted water depth at the reef.
- Placement occurred in the incorrect grid cell
- Any placement outside of the designated placement grid, including locations within the HARS, the HARS Buffer Zone, the HARS No-Discharge Zone, and all areas outside of the HARS.

CDIs should check each item as appropriate, at the dredging site, while underway to the placement location, during placement, and following placement. Copies of the checklist must be completed by CDIs during each placement trip and submitted to the NY District on a weekly basis. Any reported discrepancies must be recorded on the TPLF or a separate report. Separate reports must include the name of the CDI, the date and time of the incident, and a detailed description of any discrepancy.

e. Contractor must receive grid coordinates for the placement location at the HARS before dredging starts; usually at the pre-construction meeting. Individual grid cells may be as small as 100 feet wide and 200 feet long. Placement must be made while towing scows in the direction of the longest grid cell dimension, unless otherwise directed by the NY District. All placement events must be recorded and signed by the master of the tow. Copies must be submitted to the U.S. Coast Guard no later than the fourth day after each week of activity. The Coast Guard address is:

Captain of the Port of New York
212 Coast Guard Drive
Staten Island, New York 10305

f. Every vessel engaged in the transportation of dredged material must have its name or number, and owner's name, painted in letters and numbers at least fourteen (14) inches high, on both sides of the vessel. These names and numbers must be kept distinctly legible at all times, and vessels not so marked, cannot be used to transport or dump dredged material.

7.4 Placement of Dredged Material Suitable for Ocean Disposal, General:

a. A National Marine Fisheries Services-approved Observer, at the Contractor's expense, must be aboard the tug transporting a loaded scow to the ocean placement sites. The observer will have the responsibility for determining the presence of endangered species (sea turtles and whales) during transit to, and upon arrival at the location for all placement activities. Upon arrival at the placement site, placement of dredged material may occur only if no specimens of endangered species are

observed to be present within a 0.25 nautical mile of the placement site. If endangered species are observed to be present within 0.25 nautical mile of the designated placement location, then the placement of dredged material must not occur. Placement of the dredged material may occur only when the observed animals have moved outside the 0.25 nautical mile zone around the designated placement location, or have completely departed the site. In all such cases where whales or sea turtles have been encountered, the observer must submit a written report incorporating the following information: animal type (Whale or sea turtle); the specific species (if known); the date, time and location of the sighting (latitude, longitude); approximate distance away from the vessel and scow/barge; number of individuals observed; behavior (feeding, nursing, migrating, etc.). If a CDI is to be used for this function, he/she should possess or acquire, prior to the initiation of the project, valid certification from the National Marine Fisheries Service or other accredited agency of training on techniques for identifying species, and preparing applicable reports for instances where endangered species are encountered. Twenty-one (21) days prior to departure of the first project vessel from port for open water placement of any dredged material, the Contractor must submit a letter to the New York District with the names and certification information of all NMFS Observers who will be working on the project. The Contractor must furnish Observer names, companies Observers are affiliated with if not independent Observers, and the expected duration of employment of Observers who will begin service at the start of the project. CDIs who are also NMFS Observers may fulfill the duties of both positions.

b. The towing vessel captain and the CDI must jointly determine and agree, prior to the departure of the towing vessel from the dredging site, that the forecasted weather and sea conditions at the expected time of placement of dredged material within the HARS will allow the full release of the material from the scow at the designated location. If weather/sea conditions will not permit placement of dredged material at the designated grid cell, the scow must not be towed from the dredging site until conditions improve and allow safe and accurate dredged material placement. The distance from the dredging site to the placement location at the HARS site may require careful monitoring of marine conditions and forecasts. If upon arrival at the placement site, prevailing conditions are such that deviation from the placement parameters is necessary to ensure the safety of the operation, the responsibility for the determination of a minimum safe speed for the scow, and a minimum safe distance from the marker buoy (if used) to ensure the safety of the operation, will rest solely with the captain of the towing vessel. In any case where such deviation occurs, the CDI must note the alteration and reason for the deviation upon the CDI trip report and weekly written report. Additional guidelines to be followed during the placement of any dredged material within the artificial reef site are as follows:

c. The distance between the towing vessel and the placement scow when placing the dredged material must be noted by the CDIs on the TPL form used to document each trip. A hand-held laser range finder must be aboard each towing vessel for use in determining the distance between the towing vessel and placement scow.

d. DGPS navigation and fathometer equipment must be present and fully operational on board the towing vessel and must be calibrated periodically in accordance with the manufacturer's guidelines. The instrumentation must also conform to current industry standards. Re-calibration of the instrumentation will be required in instances where major modifications to the towing vessel have been made. Specific documentation certifying the accuracy of instruments may be requested by the USACE. Fixed aids to navigation, with known latitude-longitude coordinates, should be used

periodically to double-check the accuracy of navigation equipment. Likewise, locations with a known depth and stable bottom should be used to periodically double-check accuracy of fathometers.

e. The Contractor or its authorized dredging or towing contractor must equip each scow, which transports dredged material for placement with an Automated Disposal Surveillance System (ADISS) developed by Science Applications International Corporation (SAIC), which consists of ADISS boxes on scows, and ADISS/ADISSLt units on towing vessels. Before each departure, the USACE certified Inspector must ensure that the ADISS box is in good working order (i.e. ADISSPlay System on towing vessel indicates communication with ADISS System is active) and that the ADISSLt system is functional and ready for potential use as a backup to ADISS/ADISSPlay. Furthermore, the CDI and the Scowman, if used, must jointly continue to monitor the functioning of the ADISS box during each trip. **Should the CDI suspect at any time that the ADISS box is not functioning properly (i.e. ADISSPlay System malfunctions), the CDI must immediately contact the USACE Ocean Placement Manager at (212) 264-1853 or (212) 264-5620 and the ADISS contractor at 1-800-729-4210.** Latitude-longitude coordinates of the scow, displayed by the ADISS systems, should be periodically checked against latitude-longitude coordinates of tugboats, when passing the same, fixed geographic position (i.e. channel marker). The coordinates should be approximately the same. Discrepancies should be noted and investigated through contact with the Corps Ocean Placement Manager and ADISS coordinator.

f. Scows may not be transported from the dredging site for offshore placement of dredged material unless the tugs DGPS navigation system, ADISS/ADISSPlay/ADISSLt systems, tug fathometer, hand-held laser rangefinder, scow radio-control system (if used), and backup radio on scow (if scowman is used) are all in full working order and provide correct information. However, if SAIC personnel are servicing/repairing the ADISS/ADISSPlay equipment, the ADISSLt equipment may be used, and an affected scow may be transported for ocean placement. ADISSLt must only be used on two consecutive placement trips of a scow. ADISSLt is an emergency backup to the ADISS/ADISSPlay equipment and must not be routinely used.

7.5 Protocol for Placement of Dredged Material at Open Water Sites:

To help ensure proper placement of dredged material at the Historic Area Remediation Site (HARS), the following placement protocol must be followed:

a. Prior to leaving the dredging site, scows must be inspected to ensure correct operation of mechanical features. Scows must also be inspected for the presence of any conditions that may cause navigation problems. The scow radio-control system (if used on the project) and the ADISS/ADISSPlay and ADISSLt systems must be inspected for correct operation. A hand-held laser range finder, with a range of at least 1000 feet, manufactured no earlier than 1998, must be carried aboard each towing vessel. Hand-held laser range finders must be tested prior to departure from the dredge site. If any problems with the scow, radio-control system, ADISS/ADISSPlay/ADISSLt systems, or range finder are encountered, corrections must be made before offshore transport of the scow may proceed, except when SAIC personnel are onboard or attempting to fix an ADISS/ADISSPlay problem, in which case placement would proceed using the ADISSLt equipment.

b. Scows must be inspected for the presence of any conditions that may cause potential leakage. Prior to loading an empty scow at the dredging site, the empty scow must be inspected for presence of large

dents or visible holes. Any visible holes must be repaired prior to placing any dredged material in the scow. Dents must be closely examined to ensure that a hole is not present, or that the hull strength is not compromised. The juncture of the two split hulls, when the scow is closed, must form a straight line and the rubber gasket must form a tight seal. Damage to the rubber seal or juncture must be repaired prior to loading the scow. Scow draft/pressure values at the dredging site at the time the scow is towed away for open-water placement must be recorded on the TPL form by the CDI. Scow draft/pressure values must also be recorded 30 minutes after departing the dredge site. Scow draft/pressure values at the designated placement location, just prior to scow door opening, must also be recorded on the TPL form by the CDI.

c. Scows must be observed for potential leaking of dredged material, as indicated by visible turbidity plumes (muddier water) behind the scow, or significant change in the scow draft pressure value (± 20 points of the value displayed on the ADISSPlay system when leaving the dredging site when the starting value is = 100). For example, if the scow pressure when departing the dredging site is 100, then any value above 120, or below 80, observed while underway to the placement location or anytime prior to opening the scow at the designated placement location, must be reported immediately to the Notification List. If the starting pressure is less than 100, then any change greater than 20% of the starting value must be reported immediately to the Notification List. For example, if the starting scow draft pressure value is 80, any value above 96, or below 64, must be reported immediately. If the ADISSPlay system displays actual scow draft during transport, changes in draft ± 1.5 feet of the draft recorded when departing the dredging site must be reported to the Notification List immediately. The scow draft pressure values, or actual draft values displayed by the ADISSPlay system, must be recorded on the TPLF for every trip, regardless of the values or variability. Scows exhibiting draft changes significant enough to require immediate notification may be leaking. A gradual increase or decrease in scow draft of more than one foot (~ 12 pressure value points) may indicate leakage, should be noted on the TPLF, and also must be reported to the Notification List immediately. If the scow has not reached the Verazanno Narrows bridge, the scow must be towed back to the dredging site to determine the cause of the change in draft. If the scow is seaward of the Verazanno Narrows bridge, the scow may be transported to the designated placement location. In this case, the scow draft should continue to be highly scrutinized for the possible need for emergency procedures. If a situation arises that requires emergency dumping of dredged material, all reasonable efforts to dump outside of navigation channels must be made. Steady, gradual changes in scow draft may also indicate that dredged material is leaking from the scow, or water is leaking into the scow's hull. If gradual draft changes appear to occur regularly, the scow must be examined to determine if a leak is present.

d. After ensuring that all inspections have been performed at the dredging site, and compliance with all provisions and guidelines associated with scow loading and use has been met, scows must be brought to the designated grid cell, or coordinate, of the HARS, or other designated placement location, using the DGPS navigation systems of the tugboat and the ADISSPlay system onboard the tugboat. Placement in the appropriate location, and scow draft immediately prior to scow door opening, must be documented by the CDI using the ADISSPlay system while the scow position and draft information are monitored automatically by the ADISS system. Scows should be towed no faster than 2 knots, unless weather/sea conditions require higher speed to maintain safe and reliable navigation. Lengths of towlines should be no longer than 200 feet, unless weather/sea conditions require longer tow lengths to maintain safe and reliable navigation. Regardless of the conditions at the time of placement, tow lines must not be longer than 500 feet at the time of placement. CDIs must

measure the distance from the towing vessel to the scow at the time of placement using the hand-held laser range finder and record the value on the TPL form.

e. If the ADISSPlay system does not show reliable DGPS coordinates in the vicinity of the designated placement grid or other designated placement location, or is not functional, the ADISSLt system must be used to locate the placement site and estimate the scow position during placement. Length of towlines must be measured using the hand-held laser range finder. The bearing to the scow from the towing vessel must also be noted at the time of placement. Tow lengths must be less than 200 feet unless ocean/weather conditions require longer lines for safe navigation. Vessel navigation must be maintained in the direction of the maximum grid dimension for all placements, to the greatest extent possible. The angular displacement of the scow from the towing vessel bearing (track line) must be estimated by sighting the scow behind the towing vessel while holding a protractor with the 90° mark pointing directly behind the towing vessel in line with the vessel track line. A pencil must then be used to point at the scow, to the left or right of the 90° mark, to determine the angular displacement off of the towing vessel track line, recorded as degrees to the left or right when sighting the scow, rounded to the nearest 5°. Scows directly behind the tug would be reported at 0° angular displacement. (a scow displaced 10° to the left of the 90° mark on the protractor would be reported as 10° left, etc.) This angle must be recorded on the TPL form, along with the following information if this option is used:

- 1) Coordinates of the tug at the start and end of placement
- 2) Length of tow line (distance from tug stern to scow bow)
- 3) Angular displacement of scow from trackline of tug
- 4) Estimate of lateral displacement of scow from the towing vessel trackline
- 5) Estimated longitude and latitude of scow at time of door opening and closing

The lateral displacement may be estimated by the following formula (for angular displacements up to 20°):

displacement = towlength x sine of angular displacement

The following values of sine may be used:

- 5 degrees of angular displacement – sine = 0.087
- 10 degrees of angular displacement – sine = 0.174
- 15 degrees of angular displacement – sine = 0.259
- 20 degrees of angular displacement – sine = 0.342

For example, when using a 200 foot towlength, a scow is observed to track 15 degrees to the right of the tug trackline. The estimated displacement of the scow is

$$200 \text{ feet} \times 0.259 = 52 \text{ feet}$$

This means that when plotting the scow position on a map of the placement area, the scow would be plotted ~50 feet to the right and ~200 feet behind the position of the tug. The errors in estimating increase with longer towlengths. Because of this, it is critical to maintain as short a towlength as possible if the ADISSLt system is used for placement. Perimeter grid cells are not permitted for use if ADISS/ADISSPlay is not functioning. The closest adjacent grid cell toward the center of the grid must be used.

f. If the ADISSPlay and ADISSLt systems do not show reliable DGPS coordinates in the vicinity of the designated placement grid or other designated placement location, or is not functional, or weather/sea conditions prevent reliable maneuvering of the scow, the tugboat DGPS must be used to position the scow at the center of the grid, or other backup location in the grid as specified by NY District. Length of towlines must be measured using the hand-held laser range finder. The bearing to the scow from the towing vessel must also be noted at the time of placement. Tow lengths must be less than 200 feet unless ocean/weather conditions require longer lines for safe navigation. The angular displacement of the scow from the towing vessel bearing (track line) must be estimated by sighting the scow behind the towing vessel while holding a protractor. This angle must be recorded on the TPL form, along with the following information if this option is used:

- 1) coordinates of the tug at the start and end of placement
- 2) length of tow line (distance from tug stern to scow bow)
- 3) angular displacement of scow from trackline of tug
- 4) estimate of lateral displacement of scow from the towing vessel trackline
- 5) estimated longitude and latitude of scow at time of door opening and closing

g. If weather and/or sea conditions prevent reliable measurement of towing distance using the hand-held laser range finder, the towing vessel's radar must be used to determine the distance and bearing to the scow.

h. If neither the ADISS/ADISSPlay, ADISSLt, nor the tugboat DGPS systems provide navigation coordinates, the scow must be brought to a suitable location for correction of navigation problems. Placement of dredged material is not allowed if a reliable DGPS system is not providing coordinates at the time of scow door opening.

i. The grid center, or other backup placement location, will only be used if steps (d) and (e) are attempted without success, or when inclement weather/sea conditions prevent reliable maneuvering of the scow. The grid center should not be used if inclement weather conditions persist. Placement at the grid center is an emergency procedure. Regardless of the size of the grid, the scow must be towed with a length of towline such that, at the time of placement, both the scow and towing vessel are both within the grid boundary. If an ADISS system fails after leaving the dredging site, the scow must not be used again until a fully operational ADISS system is installed. However, if SAIC personnel are onboard or on their way to the transporting vessel to service/repair the ADISS/ADISSPlay system, the scow may be used to transport dredged material while using the ADISSLt system. The ADISSLt system may be used for up to two consecutive placement trips while awaiting SAIC personnel to service the equipment. No more than two consecutive trips to ocean placement sites may be made without the ADISS/ADISSPlay equipment fully functioning.

j. If radio communication with the scow is lost, preventing operation of radio-controlled scows, a person must board the scow to either fix the problem or operate the scow. Voice contact, through radio or direct communication, must be maintained with the scowman, or other personnel, riding aboard the scow, for the duration of the placement trip. Scow opening must only occur when a direct, voice command has been given to personnel aboard the scow, or when radio communication with radio-

controlled scows is maintained. If the radio control system can not be fixed, the scow must be towed to the designated placement location and manually discharged according to the guidelines and instructions contained in paragraphs **d** through **i**, above. If the scow's engine can not be operated by the radio-control system, and the scow is boarded to attempt to fix the engine, the scow must be located at the designated placement position if the scow's engine is started. Past use of radio-controlled scows revealed that manually starting a scow's engine after a failed radio-controlled engine start could cause the "scow open" command to be completed, causing the scow to dump at the location of engine startup. Any problems with a radio control system must be fixed prior to subsequent use of the scow. The CDI must note on the TPL form any time the radio-controlled scow system malfunctions and manual discharge is required, and immediately notify the Notification List.

k. A primary and backup radio must be onboard all manned scows, along with backup power supplies. Hand signals will not be used to direct the scowman regarding scow opening/closing. All personnel aboard scows, or who may board scows while transporting dredged material, must be informed that discharge of dredged material will only be allowed while voice communication is maintained.

l. To help ensure that dredged material is transported and placed at the HARS in accordance with the guidelines described above, the following checklist has been prepared. Items in the checklist must be reviewed by the CDI at the dredging site, while underway, and at the HARS. Any item on the checklist that receives a "NO" answer must be reported immediately to the HARS manager (212) 264-1853 and a dredging contractor representative not onboard the towing vessel. If the "NO" answer is related to the ADISS/ADISSPlay/ ADISSLt systems, SAIC must be notified immediately at (401) 261-4931 or (401) 847-4210. These discrepancies must be noted on the TPLF associated with the trip using the letter-number code associated with each item. Each placement trip to the HARS must use a checklist, to be completed by the CDI working aboard the towing vessel, using the ADISSPlay software or by hand. A supplemental report **must** be filed and faxed to NY District at (212) 264-4260 if space on the TPLF is not sufficient to explain the discrepancy.

Checklist copies must be signed and dated by the CDI and placed in a file. All original, signed checklists associated with this project must be submitted to the NY District on a weekly basis for the duration of the project. Checklists must be hand delivered or mailed to:

U.S. Army Corps of Engineers, NY District
Dredged Material Management Section
Room 1937, CENANOP-SD
26 Federal Plaza
New York, NY 10278-0090
Attn: Dr. S.C. Knowles

m. Original copies of TPL forms for each trip to the HARS, signed and dated by the CDI on duty during each trip, must be submitted to the Dredged Material Management Section at the above address at the completion of the project, or after a CDI has discontinued working as a CDI on the project, either temporarily or permanently.

n. If the CDI answers "NO" to any item in Part A, dredged material must not be transported from the dredging site until any discrepancies have been corrected. Only after

all requirements have been met, equipment/supplies are operable and available, required information has been supplied, etc., as indicated by the CDI being able to answer “YES” to all items, is dredged material allowed to be transported from the dredging site.

o. Two exceptions to this exist: 1) If a backup scow is used, it should be noted on the TPL form, but normal placement can continue. 2) When the ADISS/ADISSPlay systems are malfunctioning, dredged material may be transported from the dredging site if SAIC personnel are onboard to fix/service the equipment, or if ADISSLt is functioning. If any of the items in Part A answered “NO” by the CDI, the Notification List must be contacted immediately, even if SAIC personnel are onboard the towing vessel. Telephone numbers of personnel on the Notification List must be supplied to all CDIs working on the dredging project. Reports of discrepancies or unusual events must also be faxed by the CDI as soon as possible to (212) 264-4260 and other numbers if required by NY District. Discrepancies must be noted on the TPLF using the code letter/number associated with each item in the lists. A supplemental report must also be faxed if the incident can not be adequately documented on the TPLF.

p. Parts B and C of the checklist pertain to activities/requirements of CDIs while underway to the designated placement location and at the placement location, respectively. All of these items must be verified by the CDI aboard the transportation vessel. If any of these items are answered “NO” by the CDI, the Notification List must be contacted immediately, and any supplemental reporting completed.

PART A. DREDGING SITE (Checklists)

A1___ A legible copy of the permit conditions and guidelines, as related to scow loading, transport, and dredged material placement, is in possession of the CDI.

A2___ A legible copy of the Placement Guidelines and placement grid map received at the pre-construction meeting, or any additional instructions or guidelines as related to scow loading, transport, and dredged material placement, is in possession of the CDI.

A3___ The scow being used to transport the dredged material is mechanically sound, does not leak, and has no visible damage that may cause leaking.

A4___ A regularly used scow was used.

A5___ A scow loading table for the scow being towed is aboard the towing vessel and available for the CDI to use.*

A6___ An estimated dredge material density has been provided by the dredging contractor. Estimated density is: _____

A7___ The material being dredged has been observed by the CDI for general characteristics (grain size, color, consistency). Majority of material is dry/thick/watery, color: _____, mud/sand/gravel/rock.

A8___ For scows loaded with any rock (rock is defined as any stones greater than 2.5 inches in diameter), the estimated rock percent has been recorded on the TPL form.

A9___ An estimate of the volume of material in the scow has been calculated by the CDI using the scow loading table and recorded on the TPL form.

A10___ Scow contains less volume of dredged material than the maximum volume allowed for placement during a single trip.

If a scow contains a volume of dredged material greater than the maximum volume allowed for placement during a single trip, the volume must be decreased below the maximum volume before the dredged material can be transported away from the dredge site.

A11___ The scow monitoring systems (ADISS, ADISSPlay, and ADISSLt) are fully operational and are functioning. Any ADISS/ADISSPlay/ADISSLt malfunctions must be reported **immediately** to the ADISS contractor (401-847-4210 or 401-261-4931). Transportation vessels are not allowed to leave the dredging site with any dredged material if the ADISS/ADISSPlay/ADISSLt systems are not fully operational. However, if SAIC personnel are onboard the transporting vessel to service the equipment, or in communication with the CDI via cellphone or radio, or on the way to repair/service the equipment, the vessel may depart from the dredging site while malfunctions are being repaired/corrected. In this case, the ADISSLt equipment must be used and the scow may be transported from the site. If the ADISS/ADISSPlay equipment is not functional, the ADISSLt equipment may only be used on two consecutive offshore placement trips using an affected scow. No more than two consecutive trips without ADISS/ADISSPlay can ever be made.

A12___ The scow draft pressure value, as displayed by the ADISSPlay system, has been recorded on the TPL form. (this value should be noted a few minutes after leaving the dredging site, while being towed, to allow the material in the scow to shift and settle)

A13___ A fathometer is fully operational, functioning, and installed on the transporting vessel.

A14___ A radio onboard the transporting vessel is operable and can receive NOAA marine weather forecasts and ocean conditions.

A15___ Current and forecasted marine weather and ocean conditions at the designated placement location have been monitored on the radio and will allow safe and accurate placement of dredged material. Winds at a reporting station closest to the placement location are presently blowing _____ from the ____, with _____ ft seas. Winds forecast for the placement location are _____ from the ____, with _____ seas.

A16___ DGPS navigation system is fully operational, functioning, and installed aboard the transporting vessel.

A17___ A radar system is fully operational, functioning, and installed aboard the transporting vessel.

- A18__ Radio-control system for scow operation (if scowman is not used) is fully operational and functioning.
- A19__ Radio and backup radio system, for communication between scows and towing vessels, are aboard scow (if scowman is used), and are fully operational and functioning.
- A20__ Hand-held laser range finder, manufactured no earlier than 1998, with at least a 1000 foot range, is aboard towing vessel, fully operational and functioning, and available for CDI use, along with a set of backup batteries.
- A21__ A fully operable cell phone that can send and receive calls is in the possession of the CDI onboard the towing vessel.
- A22__ A protractor is available for use by the CDI aboard the towing vessel.
- A23__ A pair of dividers, for map/chart distance scaling, is available for use by the CDI aboard the towing vessel.
- A24__ An up-to-date nautical chart that includes the placement area is available for use by the CDI.
- A25__ CDI is provided full access to fathometer, radar, vessel DGPS, and any other equipment/information necessary to conduct CDI duties.
- A26__ Full compliance with any other contract or regulatory requirements related to dredged material placement has been met.
- A27__ Time of departure from dredging site has been recorded on the TPL form.
- A28__ All other information relative to the dredging site has been entered into the TPL form.

PART B . ENROUTE TO THE PLACEMENT LOCATION (Checklists)

- B1__ ADISS scow pressure/draft has been recorded on the TPL form thirty minutes after leaving the dredging site.
- B2__ Scow draft is being monitored with ADISSPlay system to detect sudden or gradual changes in draft.
- B3__ If the CDI is also a NMFS certified marine mammal/endangered species observer, observation and appropriate reporting is conducted.
- B4__ Scow draft pressure varies less than 20 points, or 1.5 feet of draft, from the value at the dredge site.

- B5___ A gradual increase or decrease in scow draft pressure values, exceeding 12 points (or actual scow draft of more than 1 foot) is not observed.
- B6___ Scow does not appear to be listing.
- B7___ Water behind scow has been observed, if possible, to ensure that no turbid water plumes are present.
- B8___ A fixed reference position, such as a channel marker, has been used to ensure that the towing vessel DGPS and scow DGPS positions agree.
- B9___ Marine weather and sea conditions present and forecast to be present at the placement location are periodically monitored. The CDI and towing vessel captain may decide to return to the dredging site based on an updated marine forecast.

PART C. IN THE VICINITY OF THE PLACEMENT LOCATION (HARS AND/OR REEF)

For artificial reef placement:

- C1___ Water depths were continuously monitored (a reading taken at least every 5 seconds) with the towing vessel fathometer while navigating anywhere within the reef boundary.(towing vessel crew must also monitor water depths)
- C2___ All water depths observed anywhere within the reef boundary were at least 15 feet deeper than the permitted water depth at the reef.

If any depths less than or equal to 15 feet deeper than the permitted reef depth are observed anywhere at the reef site, using the towing vessel fathometer, the incident must be reported **immediately** to the Notification List, and the Artificial Reef manager, and all areas within 200 feet of the shallower water must not be used for placement of dredged material. Other vessels used for transportation of dredged rock must be notified of the observation, provided coordinates, and instructed not to place additional rock closer than 200 feet of the reported position. Even if previous trips reported a depth within 15 feet of the permitted depth, additional coordinates, even if they appear to be similar to previous reports, should be recorded, along with the observed depth.

- C3___ If depths less than or equal to 15 feet deeper than the permitted reef depth are observed anywhere in the reef, the latitude, longitude and depth has been recorded.

LATITUDE _____ LONGITUDE _____ DEPTH_____

For all ocean placement locations:

- C4___ Scow radio control equipment operates without any problems.

- C5___ Placement occurred in correct grid cell and was coordinated with towing vessel crew.
- C6___ Scow draft information immediately prior to scow door opening has been recorded on the TPL form.
- C7___ TPL form was completed using the ADISSPlay system, or by hand if ADISSPlay malfunctions, within 30 minutes of scow door opening.
- C8___ ADISS/ADISSPlay/ADISSLt equipment, transportation vessel navigation equipment, and all other equipment related to placement of dredged material worked without any problems.
- C9___ All activities associated with placement of dredged materials appeared to be conducted in a safe manner.
- C10___ Nothing occurred that may have resulted in incorrect placement of dredged material.
- C12___ TPL form and any supplemental reports faxed to (212) 264-4260 and (201) 433-9232 within 6 hours of scow door, or hopper bin, opening.
- C13___ For reef placement, TPL form also faxed to the applicable State Artificial Reef coordinator within 8 hours of scow door opening.
- C14___ A copy of the TPL form has been signed by the CDI and placed in a file/folder to become part of the permanent record of the trip. All signed TPL forms must be submitted to NY District when offshore transport of dredged material associated with the project ends, or when the CDI finishes working on the project.

* Scow loading tables for each scow used on a dredging project must be provided to the CDIs working on the project. CDIs must be provided an estimated dredged material density by the dredging contractor for each loaded scow. The dredged material density and scow draft must be used by the CDIs to estimate the volume of dredged material in each scow at the start of each trip to the designated dredged material placement location. This estimated volume must be recorded on the USACE Transportation and Placement Log (TPL) form.

8. The Contractor shall prepare a Daily Report of Operations form and shall furnish signed copies thereof to the Contracting Officer, or his representative, on a daily basis. Copies shall also be faxed to the HARS Manager at (212) 264-4260. A copy of the form is attached at the end of Section 00901. Further instructions on the preparation and submittal of these reports will be provided at the pre-dredging conference.

9. Buoy Removal.

- 9.1 The Contractor shall notify the Coast Guard, with a copy to the Contracting Officer, at least 30 days prior to the date desired for having buoys removed or relocated which interferes with

dredging operations. Requests may be made telephonically at (718) 354-4191, or by writing to:

Commander, U.S. Coast Guard Activities New York
212 Coast Guard Drive
Staten Island, NY 10305

10. Measurements and Payment.

Measurement and Payment shall be in accordance with the applicable paragraphs in Section 01270:
MEASUREMENT AND PAYMENT.

- End of Section -